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Statistics Canada
Selecting price indexes for
escalation of industrial
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Statistics Canada
Prices Division

SELECTING PRICE INDEXES FOR ESCALATION OF INDUSTRIAL CONTRACTS



Ottawa
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Summary

Recent high rates of price change have prompted businesses to include escalation clauses based on published statistics in their long term sales contracts. By providing suppliers with some protection against future price changes for such things as labour and materials, business risks can be minimized. In addition, purchasers can better evaluate bids when the contract is unaffected by differing forecasts of price change.

The first step in selecting or designing an index for contract escalation is stating the conditions which must be met. This establishes the framework for selecting available indexes, devising a formula for a specific contract or assessing the adequacy of current company escalation practices.

Next, company costs are reviewed to identify important components for which indexes are required. Historical change in official price or earnings indexes is compared to change in company cost. Important characteristics of published indexes (market factors, currency adjustments, weights and types of components) are assessed. In some cases, data problems revealed by this comparison will have to be overcome by smoothing the data, reweighting the index or amending the adjustment mechanisms.

Once indexes are selected, it remains to state the escalation adjustment procedure in the contract. While no escalation formula is suggested, each contract should clearly specify the base value, formula weights, the indexes used with proper citations, the mechanisms for adjustment and whether the escalation is full or partial. The escalation mechanisms should be evaluated for suitability both under conditions of deflation and inflation.

Through this publication, Statistics Canada offers a guide for businesses selecting or designing price indexes. Appendix 4 provides a worksheet for use with this manual.

Prepared by the Prices and Labour Divisions and Regional Advisory Services, this paper supplements detailed technical notes the agency furnishes for specific series. Appendix 1 lists publications and other resources Statistics Canada can supply on this topic.

The methods presented here apply equally to price and earnings indexes. Detailed advice on earnings is not provided because the survey is undergoing a major change. Since revisions do occur from time-to-time, users should obtain the most recent information about any changes from Statistics Canada.

1. Define the Escalation Model

A step which is often overlooked but essential is specifying the objectives of the escalation. This provides a framework against which to judge indexes. The following are the kinds of conditions which might be established for an escalation model:

- (i) The escalation model should compensate for annual price change in the main elements of cost over the life of the contract. To satisfy this aim, indexes selected or designed would have annual percentage changes similar to the percentage changes in the price of goods and services purchased for the contract.
- (ii) Monthly adjustment should ensure a uniform apportionment of annual percentage change across the 12 months or 4 quarters.
- (iii) The escalation model should detail appropriate weights and components. Solutions may be required to overcome deficiencies in potential indexes.
- (iv) Indexes to be selected should be evaluated for suitability to the contract both under conditions of annual decreases and increases.
- (v) The model should identify major risks which are not likely to be covered by the indexes chosen for the contract. Proposals should be devised to capture these factors in escalation or estimate their costs for the base value of the contract. Examples of elements often excluded from contract escalation are the cost of money and foreign exchange.

In light of these objectives, indexes with the best chance of satisfying the goals of the model can be chosen. The better the contract conditions and indexes fit the model, the higher the likelihood of achieving forecasted cash flow requirements. The list of objectives for an escalation model given here is by no means exhaustive and simply illustrates the kinds of conditions which might be appropriate.

2. Select the Appropriate Index

Before choosing indexes, there are several factors to be determined from the contract and company data. Important commodities and their market characteristics must be identified. The relative importance of the various components must be noted to determine weighting. Historical company cost data should be reviewed to establish short and long term price movements.

Having this information in hand, it is possible to choose indexes which come closest to company specifications. A detailed analysis should be carried out for each potential index, eliminating some in the process. The commodity components, market characteristics, and short and long term price movements of each index should be identified. If no index matches well enough, the data may have to be adjusted by reweighting or smoothing.

To assist in the various steps from listing company costs through to analyzing and perhaps adjusting the selected index, Appendix 4 provides a detailed worksheet and guide. It is suggested that it be detached and used along with the text. The numbering system for the worksheet corresponds to the sections in the text.

2.1 Review Company Costs

As a first step, estimates of cost for the main components and sub-components and the proportion each represents are needed. Next, annual percentage change in sub-components over the last four or five years should be calculated. Once this information is at hand, the process of index selection can begin.

Taking as an example a contract which requires steel castings, the first part of Company A's worksheet might look like this:

Worksheet: Estimated Contract Costs and Profit

Major Components	Percentage of Total	Major Sub-Components	Percentage of Sub-Total
Direct costs			
Materials purchased			
Main categories of materials		steel castings, carbon plate steel, carbon alloy rods	
Production equipment used		hourly drill press charges hourly welding charges	
Labour costs including contributions to holiday pay		hourly millwright charges hourly welders charges	
Administrative and other costs			
Foreign exchange			
Cost of money			
Design costs			
Field supervision			
All other expenses			
Profit			
	100%		

Appendix 4 provides a blank version of this worksheet for your use.

The resulting information on cost in columns 2 and 4 of the previous worksheet can later be used as a source of weights in the escalation formula. Once the sub-component's costs are identified for adjacent periods, annual rates of percentage change can be calculated. Care needs to be exercised in comparing company cost for reasonably similar trades, materials, or machine times in successive time periods.

When comparing costs through time with official price indexes, users should keep in mind that price change does not always equal cost change. A price index shows how much more (or less) it would cost in successive time periods to purchase an identical basket of goods and services. Shifts in quantities and qualities of goods purchased will not be reflected in the movement of the price index. Changes in cost associated with non-price factors, such as model changes, changes in customers' terms of sale or quantity discounts, are deliberately excluded from price indexes. For example, even when prices remain unchanged, a purchaser might lose his discount because he now buys in smaller quantities. In this instance, the purchaser's costs have risen, but the published price index would show no change.

Continuing the example of steel castings, Company A would calculate percentage change for the last four or five years for the important sub-components using the second part of the worksheet which follows. This information would later be compared to the rate of change for the Statistics Canada indexes selected. It is important to make the comparison both during periods of deflation and inflation.

Worksheet: Comparison of Company Costs and Indexes

Important Sub-Components	Annual Costs, Indexes and Percentage Change									
	1978		1979		1980		1981		1982	
	\$/I(1)	%	\$/I	%	\$/I	%	\$/I	%	\$/I	%
Steel castings										
Company data										
Statistics Canada Index A										
Hourly drill press charges										
Company data										
Statistics Canada Index B										
Hourly millwright charges										
Company data										
Statistics Canada Index C										

(1) \$/I indicates either dollar or index values.

2.2 Review Published Indexes

The next step is to review the published series to select those with closely related commodities. At the same time, related indexes at higher levels of aggregation should be reviewed.

To assist this search, a list of Statistics Canada publications most used in contract escalation is included in Appendix 1 and is briefly outlined here. Manufacturers' selling prices, indexes for electricity and some aggregations of raw materials are published in Industry Price Indexes. Construction wage rates and building materials price indexes appear in Construction Price Statistics, along with machinery and equipment indexes. Also included are indexes for engineers' and technicians' salaries. The CANSIM data base contains extensive information on foreign exchange and interest rates. Finally, average hourly or weekly earnings are provided in Employment, Earnings and Hours.

If, as in the case of Company A, castings were a main element of the contract, appropriate indexes would be found in Industry Selling Price Indexes and have been listed in Table 1.

TABLE 1. Indexes for Steel Castings(1)

Index Identification			Index Title	Level in February 1982
Index 12	2940	700	Iron castings, grey, total	262.3
Index 12	2940	701	Malleable iron castings	255.5
Index 12	2910	701	Steel castings	332.3
Index 12	2940		Iron foundries	266.7
Index 12			Primary metals major group	315.8
Index 12		700	Primary metals major group excluding precious metals	297.2

(1) All of the above indexes are released monthly in Industry Price Indexes (Catalogue 62-011), Statistics Canada. See Appendix 2 for complete listings.

2.3 Review Characteristics of the Indexes

The possibilities for steel castings indexes listed in Table 1 show the importance of understanding the composition and behaviour of the series under consideration. The commodity content, the terms of sale and the internal weightings of the indexes should be examined before deciding which index would be appropriate.

An example of the kind of information Statistics Canada can provide upon request about the content of indexes follows:

Iron castings, grey, total
(domestic market)

Malleable iron castings
(domestic market)

Iron castings, grey iron,
municipal (man-hole covers)

Iron castings, malleable
iron

Iron castings, grey iron,
ingot moulds and stools

Malleable iron pipe
fittings, all sizes

Iron castings, grey iron,
n.e.s.

In this instance, because of confidentiality, weights cannot be released other than to say they are proportional rather than equal.

While an index may pertain to the correct commodity, it may relate to an inappropriate market with the commodity index showing price behaviour different from that of the manufacturer. Also, most industrial price indexes measure the average movement of prices for domestic sales of a given commodity to a given class of customer. Those manufacturers with unusually large or small volumes may experience different price movement.

Analysts should identify indexes which may not be compatible with their escalation model using the appropriate worksheet in Appendix 4. This exercise identifies characteristics of the data and points out elements which can cause divergence between change in comparable company costs and changes in the official price indexes.

The following examples illustrate the kind of analysis and documentation a company might undertake to evaluate prospective indexes:

- (i) Hypothetical Index A contains prices for many types of alloy steels, the movements of which are inappropriate for this contract. Alloy steels rise faster (slower, more erratically) than the remaining components which generally match the contract's purchase list. The combined weight of the alloy steels is about 35%, the remaining 65% is representative of company purchases. Alloy steels have been rising on average X % (higher or lower) per year than have carbon steels.
- (ii) Hypothetical Index B contains prices for both domestic and export sales with different price movement. In addition, prices are quoted in U.S. dollars so that the movement is influenced by changes in the value of the Canadian dollar. Over the last four years, this is estimated to have lowered annual average price change by Y %.
- (iii) Company costs have been unstable during the period under review because of shifts in the mix of new orders. Hypothetical Index C has been evaluated and its contents are reasonably similar to materials being purchased for this contract: the index contains prices for 25 H.P. widgets while the company will purchase 20 and 30 H.P. widgets. This index rose 11% last year and 9% the year before. In 1974 and 1975, it fell 5% and 3% respectively.

(iv) Components of company costs for hypothetical Product P and Index P are reasonably comparable. However company discounts result in a price experience substantially different from the published index. Although this subject has been discussed with Statistics Canada for longer term improvement, other alternatives for this contract are being examined.

(v) Hypothetical Index E contains commodities which are increasingly subject to foreign competition. As a consequence, during the next few years price movements could be quite different from historical behaviour or the index could disappear through the failure of Canadian respondents. Because of the uncertainty, other alternatives are being examined.

2.4 Review Index Weighting Patterns

In addition to reviewing the specifications of the goods included in the indexes being considered, the weighting patterns for the indexes should be examined. For most commodity series, Statistics Canada is able to describe the weights used in index calculation.

Appendix 3 gives the weighting pattern for the Primary Metal Industries component of the Industry Selling Price Indexes. This example points out the importance of examining the price movement stability of index components. Gold, silver and platinum prices, although small in weight, have exerted a substantial impact on the movement of the aggregate index. In this instance, Statistics Canada offers a series excluding precious metals.

In some situations, the analyst might consider remaking a series to better match the characteristics of a contract. For example, the Copper and Copper Alloy Rolling, Casting and Extruding Index is composed of four published commodity indexes. Together, they account for slightly over 50% of the aggregate index. Of almost equal importance is a group of commodities which are not published in disaggregated form. For the purposes of this discussion, it is assumed that the unpublished portion contains prices for unalloyed copper pipe and tubing, and weights were adjusted accordingly in Table 2.

TABLE 2. Weights for Copper Indexes

Copper and Copper Alloy Rolling, Casting and Extruding Index(1)	Adjusted Weights	Company's Weights for Current Costs Expressed in 1971 Prices(6)
Copper, unalloyed, pipe and tubing(2)	71.2	30
Copper, unalloyed, plates, sheets, strip and flat products(3)	10.7	
Copper, alloyed, pipe and tubing(4)	3.5	70
Copper, alloyed, plates, sheets, strip and flat products(5)	14.6	

(1) Index No. 12 2970.

(2) Index No. 12 2970 008.

(3) Index No. 12 2970 009.

(4) Index No. 12 2970 015.

(5) Index No. 12 2970 016.

(6) Current year expenses are divided by the appropriate price index to express the expenditure in 1971 price levels. This step permits reaggregation in a compatible fashion with the official indexes, most of which are on a 1971=100 time reference base.

Suppose further that the suppliers estimated contract costs are distributed quite differently (Table 2, column 2) and recent index levels suggest that alloyed and unalloyed products have different price movement.

There are three options at this point:

1. Accept the industry level index and assume it will average out successfully over the life of the contract;
2. Consider the next higher level of aggregation to determine if its movement is less volatile; in this case, the Primary Metal Industries excluding Precious Metals Index;
3. Reweight published series with appropriate contract weights. The following section describes the procedure to follow if this option is chosen.

2.4.1 Reweighting a Series

Reweighting a series is an easy procedure as demonstrated in the following example. The company expenditure pattern taken from Table 2 has been used to weight the two most closely related indexes, indexes 2 and 4 from that table. Table 3 shows 279.7 as the 1980 February company index level, calculated by reweighting the published indexes using the following equation:

$$\frac{[(30.0 \times 270.3) + (70.0 \times 283.7)]}{100} = 279.7$$

TABLE 3. Published and Company-Derived Copper Indexes

Index Reference Period		Copper, Unalloyed, Pipe and Tubing	Copper, Alloyed, Pipe and Tubing	Company- Derived Copper Index
1980	February	270.3	283.7	279.7
	May	203.4	227.2	220.1
	August	211.8	231.7	225.7
	November	206.6	228.0	221.6
1981	February	198.6	225.5	217.4
	May	200.0	232.3	222.6
	August	208.6	245.6	234.5
	November	202.8	231.8	223.1
1982	February	198.2	229.8	220.3
	May	200.1	229.4	220.6
	August			
	November			
Weights (1982 quantities, 1971 prices)		30.0	70.0	100.0

Table 4 compares indexes at an aggregate level with the company index. One advantage to choosing an aggregate index is that the weighted average of a larger number of price changes is more regular. In addition, indexes at higher levels are less prone to sharp changes from unforeseeable market conditions. The benefit of using these indexes should be weighed against potential price change for the goods inappropriate to the contract.

TABLE 4. Company-Derived Copper Index and Aggregated Metal Indexes

Index Reference Period		Company-Derived Copper Index	Industry Index (12 2970)	Major Group Index - less Precious Metals (12 700)
1980	February	279.7	278.4	275.3
	May	220.1	209.0	273.4
	August	225.7	214.2	273.7
	November	221.6	213.7	279.1
1981	February	217.4	203.6	279.3
	May	222.6	206.4	290.0
	August	234.5	215.4	296.6
	November	223.1	204.2	293.6
1982	February	220.3	198.5	297.2
	May	220.6	199.3	297.9
	August			
	November			

Because of the volatility both in the short and long term of the series cited here, particular attention should be paid to data smoothing which follows in Section 2.5.1. This technique is relevant both for price indexes and average hourly series(1) which are also often used in contract escalation.

2.5 Review Short-and Long-Term Price Movements

At this point, it will likely be apparent which indexes best suit the contract. However, the analyst will have to go a little further and look at the price behaviour of the selected index in relation to the criteria originally specified. For example, one stated requirement was

(1) Average hourly earnings are affected by strikes and changes in the mix of overtime and ordinary time which can cause sharp short term changes in the series. This is particularly true for data for small geographic areas or industries with a relatively small output.

uniform month-to-month changes. Price movements for the selected indexes should be reviewed over a 5-year (60-month) period, noting any major changes in direction or short-term fluctuations. This section contains suggestions to deal with any erratic movements in the indexes. The worksheet in Appendix 4 will help with the analysis.

2.5.1 Smoothing the Data

If the series exhibits erratic monthly changes, a smoothing procedure can be considered. In some cases Statistics Canada has already done this by publishing seasonally adjusted data, as in the Consumer Price Index and some average hourly earnings series. The adjusted series retain longer-term trend movement while displaying less short-term movement.

Most of the data published are not seasonally adjusted and users may wish to smooth the series. A simple example illustrated in Table 5 uses the original data to calculate an equally-weighted three-month moving average. This procedure reduces the sharp changes in month-to-month movements. (To obtain the results in column 3 of the following table, sum the index for the middle month with the 2 adjacent indexes and divide the result by 3.) Standard statistical texts illustrate other smoothing methods which can be adopted.

TABLE 5. Index for Granulated Sugar(1)

Month	Original index		Three-month Moving Average	
	Index	% Change	Index	% Change
January	322.6			
February	426.9	32.3	363.1	
March	339.7	- 20.4	384.7	5.9
April	387.4	14.0	425.4	10.6
May	549.2	41.8	485.1	14.0
June	518.6	- 5.6	508.5	4.8
July	457.8	- 11.7	507.0	- 0.3
August	544.7	19.0	526.7	3.9
September	577.7	6.1	587.8	11.6
October	640.9	10.9	606.7	3.2
November	601.6	- 6.1	571.5	- 5.8
December	472.0	- 21.5		

(1) 1980 Industry Selling Price Index for Granulated White Sugar of any grist, not processed.
Index No. 01 1082 001
Statistics Canada publication Industry Price Indexes
(Catalogue 62-011).

The main benefit of a smoothing procedure is to distinguish short-term events (which may not be specifically relevant to a given contract) from more general trends.

2.5.2 Dealing with Price Declines

Consideration should also be given to changes in direction in longer term price movement. Consider the movement of the Industry Selling Price Index for refined copper (12 2950 004) which rose steadily from 64.0 in 1961 to 122.2 in 1970, a behaviour which has not been repeated.

TABLE 6. Annual Percentage Change for Refined Copper Index(1)

Year	Annual Index	Percentage Change
1970	122.2	
1971	100.0	- 18.2
1972	96.3	- 3.7
1973	144.7	50.3
1974	169.1	16.9
1975	116.2	- 31.3
1976	126.6	9.0
1977	136.7	8.0
1978	147.1	7.6
1979	215.7	46.6
1980	238.7	10.7
1981	203.7	- 14.7

(1) Refined Copper, Index No. 12 2950 004.

Two characteristics of this series give particular problems to those planning contract escalation: the sharp reversals in direction (see 1970 to 1973) and the atypical increases which can also occur (see 1973/72 and 1979/78). While copper on the spot market can indeed be moving in this direction, prices paid for a particular contract might not show the same behaviour. In such an instance, a more stable aggregate index such as the Primary Metal Industries might better serve the company's purpose.

Another approach would be to take some agreed to portion of both increases and decreases. Suppose a contract were signed in April 1974; progress payments beginning in May could be affected by the following price movement:

TABLE 7. Index for Refined Copper(1)

Month	1974	1980
February	181.6	325.5
March	206.4	238.4
April	214.4	228.3
May	210.6	220.9
June	191.8	214.7
July	165.8	231.4
August	159.1	237.8
September	140.5	235.6
October	135.9	229.0
November	133.7	226.3

(1) Refined Copper, Index No. 12 2950 004.

If the manufacturer had already made price commitments to suppliers, perhaps the escalation should be arbitrarily held at 100 until the arrangement ended. Adjustments could subsequently be made according to the movement of an appropriate index. For example, if prices held until September 1974, the contract might recognize that index movement would only be incorporated from the October 1974 progress payment, that is:

$$\frac{135.9}{140.5}$$

An alternate way of softening the impact of price declines is to state that only a certain portion of any decline will be worked into the formula. Another mechanism is to apply an earlier index to the progress payment. For example, adjustment to July progress payments could be based on the April index level because orders for goods would have been placed three months earlier.

2.6 Additional Points to Consider

A few additional points should be considered before establishing the contract mechanisms. The corresponding section in Appendix 4 provides a checklist.

1. Does a party to a contract who is also an important respondent to a selected series have an arms-length relationship in such a transaction?
2. If the timeliness of release of the indexes is troublesome, is it necessary to devise an extrapolation procedure?
3. Has the producing agency been contacted to determine if upcoming major revisions are likely to affect the series selected? Have they been asked to provide notification to the company if the series selected is about to undergo major alteration?
4. Is traditional escalation practice eliminating from consideration some element of cost which is now or is expected to become important? Have proposals been formulated to recoup the cost of this element?

3. Write the Contract

3.1 Identify the Base Value

The base value should be specified in as much detail as possible. State whether the base value refers to a per-unit quantity, a certain volume of units or a value. Give the effective date of this base value and indicate the length of time it will remain in effect.

3.2 Identify the Indexes Selected

It is important to give a proper citation for each selected series. An example follows:

Series 12 2910 043 Bars, concrete reinforcing (D 527305), Industry Selling Price Indexes; 1971=100, published in Industry Price Indexes, (Catalogue 62-011) Statistics Canada.

Series 12 indicates major group 12 from the 1970 Standard Industrial Classification. The number 2910 is the 4 digit identifier in the SIC for the Iron and Steel Mills Industry. The number 043 is a Prices Division commodity identifier. The "D" number is the CANSIM identifier for series 12 2910 043. (CANSIM is Statistics Canada's computerized information data base.) The citation indicates that the index is part of the Industry Selling Price Indexes with 1971 as the base year. Next, the title of the publication in which it appears is given along with its catalogue number.

3.3 Specify the Weights, Formula, and Smoothing or Extrapolation Mechanisms

Weights give the proportional representation of the items to be escalated and should reflect as closely as possible the contract cost structure. If costs are based on some period c different from the reference period of the price indexes, contract costs should be expressed in terms of the reference period (1971 prices in the case of the Industry Selling Price Index). For example, in Table 8 each input cost is divided by its escalation price index for period c (1978) with respect to the base period (1971) to derive a constant weight index in terms of 1978 quantities at 1971 prices.

TABLE 8. Company Copper Costs for 1978 Expressed in 1971 Prices

Index	Company Input Costs, 1978		Industry Selling Price Index for 1978	Company Input Costs for 1978 in 1971 Prices	
	\$'000	%		\$'000	%
Copper, unalloyed, pipe and tubing	500	19.2	147.7	339	20.9
Copper, unalloyed, plates, sheets, strips and flat products	300	11.5	151.2	198	12.2
Copper, alloyed, pipe and tubing	1,200	46.2	172.0	698	43.1
Copper, alloyed, plates, sheets, strips and flat products	600	23.1	156.0	385	23.8
TOTAL	2,600	100.0		1,620	100.0

The weights are often expressed in the form of a percentage, such that the sum of the weights for all the series used is 100. (If partial escalation is desired, the escalation index may be applied to something less than the full value of the contract.)

Formula selection, smoothing and extrapolation mechanisms are the responsibility of the parties to the contract. Statistics Canada does not have a "standard" escalation formula.

3.4 Define the Mechanism to Adjust the Contract through Time

State in detail the mechanism to be used for the timing of escalation calculations and the item(s) and amount(s) to be escalated.

As a general rule, use percentage change in an index rather than actual index numbers or the point differences. (This reduces the problems caused by major revisions to series.) For example, if a base value was \$1,000 in January 1980 and the Total Industry Selling Price Index (1971 = 100) was used as an escalator every January, the 1981 value would be calculated as follows:

Base value	\$1,000.0
ISPI, January 1980	239.0
ISPI, January 1981	263.3
Percentage change in ISPI between January 1980 and January 1981	10.2%
Escalated value	\$1,102.0

Using this example, the base value will change by \$4.18 for every point change in the index, calculated by dividing the \$1,000 by 239.0.

In the following example, the escalation is calculated by point change:

Base value	\$1,000.0
ISPI, January 1980	239.0
ISPI, January 1981	263.3
Point change in ISPI between January 1980 and January 1981	24.3
Escalated value: $[(24.3 \times \$4.18) + \$1,000]$	\$1,101.57

The resulting escalated value is virtually the same as that derived from the percentage change method. If, however, the ISPI were to be rebased so that January 1980 equalled 100, then the January 1981 index level would be 110.2 and not 263.3. While the percentage change would be the same, the point differences would be less. In this case, the escalation value derived from the point change method becomes \$1,042.64 and not \$1,101.57. This loss of \$58.93 arises from the change in the level of the indexes, a function of the length of elapsed time from the time-base period of the index which can be unrelated to the estimate of price change for the period under review.

3.5 Specify Limits for Escalation Adjustments

Escalation clauses may occasionally contain a "floor," a "ceiling," or both, to limit the total price adjustment during the life of the contract. If the upper or lower limit is reached, the parties may renegotiate price setting mechanisms for the remainder of the contract. Some contracts specify that no price adjustment will be triggered until a minimum change in the selected index has taken place. Contracts may also provide that an escalation is to apply in both an upward and a downward direction. Alternatively, contracts can also specify that escalation shall apply only to a specified portion of the change registered in the series cited.

3.6 Provide Mechanisms to Handle Revisions

Writers of long-term contracts need to consider means of amending the escalation calculations, because the statistical agency may discontinue or change the index series cited. Three main types of alterations which may affect contract escalation users are:

- (a) those which affect the availability of a series, when a series is discontinued either because of insufficient respondents or because the agency can no longer afford to produce it.
- (b) those instances where changes in definition or concept change the characteristics of the series.
- (c) those which affect the level of the most recently published series.

Once the index selection has been agreed upon, the contracting parties should ensure that the contract is written in such a way that the time base, title and content changes, which occur in situations (a) and (b) cited previously, can be accommodated without invalidating the escalation provisions of the contract. The impact of such changes can be reduced by informing Statistics Canada which series will be cited in the contract. Then the agency can warn users of planned major changes. When such major changes result in the disappearance or major alteration of a series selected, Statistics Canada will assist users in their search for a substitute series. Statistics Canada cannot, however, guarantee the continued existence of any series.

To accommodate revisions to the levels of the most recently published numbers, contracts should specify whether originally published (preliminary) or final (official) data will be used to calculate price adjustments. Under present Statistics Canada policy, each data series is subject to a different revision schedule for the most recently published numbers. For example, the Industry Selling Price Index and the Raw Materials Price Index are subject to revisions for the most recent six months. Under unusual circumstances, there may be exceptions to these rules. In recent years, these additional adjustments have occurred mainly in the machinery and equipment series of the Industry Selling Price Indexes.

The following table provides an example of the revisions to the most recently published index levels for Industry Selling Price Indexes, Major Group 12, Primary Metal Industries and Major Group 14, Machinery Industries (except electrical).

TABLE 8. Revisions to Industry Selling Price Indexes

Selected Months in 1981	Index as First Published (Preliminary)	Levels of Revised Indexes			
		After Three Months		After Six Months	
		Index Level (Preliminary)	% Difference	Final Index (Official)	% Difference
Major Group 12, Primary Metal Industries					
June	313.8	314.4	0.2	313.7	-
July	309.8	309.8	-	309.9	-
August	315.1	315.6	0.2	315.6	0.2
September	316.4	316.8	0.1	317.5	0.3
October	316.4	316.8	0.1	317.2	0.3
Major Group 14, Machinery Industries (except electrical)					
June	229.0	231.4	1.0	231.3	1.0
July	230.8	233.7	1.3	234.2	1.5
August	232.0	235.5	1.5	236.0	1.7
September	237.1	238.0	0.4	239.0	0.8
October	239.2	240.8	0.7	241.6	1.0

3.7 Specify Miscellaneous Factors

An escalation clause should also specify: (a) the timing of the price adjustments, whether quarterly, semi-annually, or annually; (b) the specific reference period of the indexes (a monthly index, an annual average, or an average for some other time period) basis for determining a price adjustment; (c) when the calculated price adjustment becomes effective; and (d) whether preliminary or final indexes will be acceptable.

3.8 Review

At this point, review all the steps before signing the contract. Both parties need to consider longer term changes in price movement, the cost of money, the impact of shortages or delays of supply. They also need to satisfy themselves that the mechanisms are satisfactory under conditions of high inflation and high deflation. Particular attention needs to be paid to how well the contingency component covers forecasted costs of elements excluded from explicit escalation. Purchasers need to evaluate the proposed escalation's impact on cash flow and the risk of escalation cost overrunning the project budget.

Appendix 1: Sources of Information

Statistics Canada uses a number of means to disseminate information. Data may be obtained from Statistics Canada publications, print-outs or tapes from the agency's computerized data base, CANSIM. When the information first becomes available, it appears in the Statistics Canada Daily, usually in a condensed form. At the same time, the data is released through CANSIM. Usually publications are released a number of days later. For the release of data by phone, user advisory services exist in a number of regions.

The Statistics Canada library and the Prices Division in Ottawa can also provide guidance as to the availability of data in United Nations' or other official statistical publications.

Publications

Following is a list of publications, often used as source information for escalation purposes:

62-011 Industry Price Indexes. Monthly. Bilingual. 183 pp.
(ISSN 0700-2033). (\$35 a year)

Monthly and annual indexes of industry selling prices, for manufacturing industries, with commodity detail; purchase price indexes of selected industrial materials, and energy selling price indexes; tables, charts and graphs; explanation of methods used.

72-002 Employment, Earnings and Hours. Monthly. Bilingual. 128 pp.
(ISSN 0380-6936). (\$40 a year)

Industry and area data on industrial employment, average weekly earnings, average weekly hours, average hourly earnings; explanation of methods used.

62-007 Construction Price Statistics. Monthly. Bilingual. 58 pp.
(ISSN 0319-8243). (\$30 a year)

Contains price indexes of inputs into construction (materials, construction wage rates, construction machinery and equipment), contractors selling prices and special purpose aggregations of price indexes for construction and machinery and equipment relating to specified categories of capital expenditures. Presents detailed residential and non-residential input price indexes, and plant indexes for electric utilities, telecommunications, petrochemical, and chemical and mineral plants. Explanation of methods used is provided.

62-001 The Consumer Price Index. Monthly. Bilingual. 32 pp.
(ISSN 0703-9352). (\$25 a year)

Normally issued in the second week of the month following the reference period. This first monthly release of The Consumer Price Index for Canada and for the 15 regional cities provides a descriptive capsule summary of retail price movements and the factors underlying them. Also contains tabular information presenting: latest price index movements

for the seven major components; price index changes on one and 12-month bases for an extensive number of components and groups; historical monthly information; seasonally adjusted monthly price movements; and price indexes reclassified according to categories of goods and services.

62-010 Consumer Prices and Price Indexes. Quarterly. Bilingual.
120 pp. (ISSN 0380-691X). (\$24 a year)

A quarterly compendium of consumer prices and price index related information of both a current and historical nature. A separate section of the report presents place-to-place comparative consumer prices information. The last calendar quarter edition includes a supplement which examines price movements in retrospect for the last 12 months.

62-004 Farm Input Price Indexes. Quarterly. Bilingual. 17 pp.
(ISSN 0383-4875). (\$16 a year)

Indexes of prices of commodities and services used in Canadian farming operations for Eastern, Western, and all Canada. Contains up to three years of quarterly and annual statistics.

62-003 Index Numbers of Farm Prices of Agricultural Products. Monthly.
Bilingual. 4 pp. (ISSN 0380-7541). (\$15 a year)

Overall indexes of prices received by farmers from the sale of farm products, Canada and the provinces; notes regarding content, methods and sources.

Advisory Services

Statistics Canada is able to help you identify, obtain and use statistics. Regional Advisory Services have reference centres in nine cities across the country where users are welcome to telephone or drop in, use the study areas, arrange to buy one or more publications or obtain statistics from CANSIM, the bureau's computerized data bank. The Regional Advisory Services have staff in these centres:

2nd floor
Viking Building
Crosbie Road
St. John's, Nfld.
A1B 3P2
(709-722-4073)

3rd floor
1256 Barrington St.
Halifax, N.S.
B3J 1Y6
(902-426-5331)

10th floor
1500 Atwater Ave.
Montréal, Qué.
H3Z 1Y2
(514-283-5725)

10th floor
25 St. Clair Ave. E.
Toronto, Ont.
M4T 1M4
(416-996-6586)

6th floor
266 Graham Ave.
Winnipeg, Man.
R3C 0K4
(204-949-4020)

5th floor
530 Midtown Centre
Regina, Sask.
S4P 2B6
(306-359-5405)

7nd floor
11010-101 St.
Edmonton, Alta.
T5H 4C5
(403-420-3027)

Main floor
1145 Robson St.
Vancouver, B.C.
V6E 1B8
(604-666-3691)

Central Inquiries
Lobby, R.H. Coats Bldg.
Ottawa, Ont.
L1A 0T6
(613-992-4734)

Other Services

Toll-free Telephone Access for Those Residing Outside Local Dialing Areas

Newfoundland and Labrador	Zenith 0-7037
Nova Scotia, New Brunswick and Prince Edward Island	1-800-565-7192
Quebec	1-800-361-2831
Ontario	1-800-268-1151
Manitoba	1-800-282-8006
Saskatchewan	1(112)800-667-3524
Alberta	1-800-222-6400
British Columbia (South and Central)	112-800-663-1551
Yukon and Northern B.C. (area served by Northwest Telephone Co.)	Zenith 0-8913
Northwest Territories (area served by Northwest Telephone Co.)	Zenith 2-2015

Ottawa advisory services

Main library	613-995-9035
Prices Division	
Industrial and Farm Indexes	613-995-5738
Construction and Capital Expenditures	613-996-3744
Consumer Prices	613-995-4078
Labour Division	613-992-5613
Ottawa regional advisory services	613-992-4734
Ottawa mailing address:	Statistics Canada, Ottawa, K1A 0T6

Selected Industry Selling Price Indexes

Indice des prix de vente dans l'industrie par certains produits

TABLE 1. Industry Selling Price Indexes by Major Groups, Industries and Selected Commodities

TABLEAU 1. Indice des prix de vente dans l'industrie par groupes, industries et par certains produits

1971 = 100

			Month Mois												Annual average
			Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec.	
			Janv	Fev	Mars	Avril	Mai	Jun	Juill	Août	Sept	Oct	Nov	Déc.	
Continuous forms - stock tab - Formules en continu - ordinaire	1978		--	--	--	--	--	--	--	--	--	--	--	--	
	1979		--	--	--	--	--	--	--	--	--	--	--	--	
	1980		--	--	--	--	--	--	--	--	--	--	--	--	
27142	1981	11 2860 022 02	235.5	235.2	235.4	238.8	241.0	241.2	248.6	248.0	248.3	252.0	254.1	254.0	244.3
	1982		264.5	264.5	261.8	260.6	261.5	261.8	264.0						
Snap out sets - Bloc de formules détachables	1971		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.7	101.6	100.4	100.0
	1972		103.8	x	x	x	x	x	x	x	x	x	x	x	x
	1973		x	x	x	x	x	x	x	x	x	x	x	x	x
	1974		x	x	x	x	x	x	x	x	x	x	x	x	x
27178	1975	11 2860 023	x	x	x	x	x	x	x	x	x	x	x	x	x
	1976		x	x	x	x	x	x	x	x	x	x	x	x	x
	1977		x	x	x	x	x	x	x	x	x	x	x	x	x
	1978		x	x	x	x	x	x	x	x	x	x	x	x	x
	1979		x	x	x	x	x	x	x	x	x	x	x	x	x
	1980		x	x	x	x	x	x	x	x	x	x	x	237.1	x
	1981		238.0	237.2	238.4	239.6	243.2	243.6	250.3	251.9	253.9	255.9	255.1	253.7	246.7
	1982		260.9	261.9	261.1	257.8	257.6	257.6	258.6						
Business forms - Formules commerciales	1978		--	--	--	--	--	--	--	--	--	--	--	--	
	1979		--	--	--	--	--	--	--	--	--	--	--	--	
	1980		--	--	--	--	--	--	--	--	--	--	--	234.9	x
330600	1981	11 2860 700	235.7	237.3	238.1	241.9	245.1	246.0	252.1	252.7	253.3	257.5	258.1	257.2	247.9
	1982		266.7	267.1	266.4	263.9	270.1	269.7	269.4						
Primary metal industries - Première transformation des métaux.	1961		74.5	74.0	74.1	74.2	74.6	75.1	76.8	76.8	76.7	76.7	76.6	76.9	75.6
	1962		76.7	76.6	76.6	76.6	77.9	77.6	77.6	77.5	77.5	77.5	77.6	77.2	77.2
	1963		77.3	77.4	77.4	77.5	77.6	77.6	77.7	77.9	77.9	78.2	78.3	78.3	77.8
27100	1964	12	78.8	78.8	79.1	79.7	79.7	79.7	80.0	81.0	81.0	81.0	81.4	81.9	80.1
	1965		81.8	82.3	82.5	82.7	84.2	84.3	84.5	84.5	84.4	84.4	85.3	85.3	83.9
	1966		86.9	87.0	87.0	86.9	87.0	87.2	87.0	87.1	87.1	86.9	88.1	88.1	87.2
	1967		88.2	89.5	89.6	89.6	89.5	89.4	89.5	89.4	90.6	90.6	90.7	92.4	89.9
	1968		92.1	93.6	94.1	92.0	90.9	91.5	89.7	89.6	89.9	89.6	89.8	90.5	91.1
	1969		93.3	93.7	94.4	95.2	95.7	96.8	96.8	98.7	99.3	99.6	100.9	105.3	97.5
	1970		105.4	105.8	107.1	107.3	106.1	104.2	102.7	101.4	100.9	100.6	100.2	99.6	103.4
	1971		99.4	98.6	99.4	100.3	100.1	100.1	100.9	100.6	100.3	100.2	100.2	100.0	100.0
	1972		100.7	101.1	101.9	102.1	102.0	101.4	101.7	101.6	102.6	103.5	103.6	104.7	102.2
	1973		106.1	108.2	111.4	113.3	116.5	116.9	119.9	120.8	121.5	123.7	125.5	126.6	117.5
	1974		131.7	137.3	143.5	148.0	150.4	149.9	149.9	150.3	151.1	152.6	154.0	153.8	147.7
	1975		156.6	158.7	158.6	159.2	159.9	158.9	159.1	160.3	163.4	165.1	164.9	164.3	160.8
	1976		163.8	163.7	164.3	166.9	167.9	169.3	171.1	171.9	171.8	172.8	174.7	180.6	169.9
	1977		182.4	185.5	189.1	190.4	190.7	188.9	191.9	191.9	191.9	194.1	195.0	194.7	190.5
	1978		196.9	197.8	198.9	203.6	202.3	204.5	205.6	209.7	212.3	219.6	220.5	221.3	207.8
	1979		228.0	237.9	240.6	249.7	253.1	257.0	257.4	259.9	267.2	282.7	282.2	290.3	258.8
	1980		314.6	318.9	301.5	301.9	299.2	301.8	304.2	305.9	311.7	317.3	313.1	309.5	308.3
	1981		310.0	304.9	309.5	312.1	313.8	313.7	309.9	315.6	317.5	317.2	312.4	314.5	312.6
	1982		313.4	315.8	310.7	313.9	313.5	311.4	314.1						
Primary metal industries excluding precious metals - Première transformation des métaux sauf les métaux précieux	1971		99.4	98.6	99.4	100.3	100.1	100.1	100.9	100.5	100.3	100.2	100.2	100.0	100.0
	1972		100.5	100.8	101.6	101.7	101.5	100.5	100.5	100.4	101.4	102.3	102.5	103.5	101.4
	1973		104.9	106.7	109.7	111.2	113.1	113.5	116.6	118.7	119.1	121.3	123.7	124.1	101.4
	1974		128.2	132.3	138.3	142.8	145.1	144.9	145.4	146.1	146.4	147.6	147.5	147.6	142.7
330610	1975	12 700	150.6	152.4	152.7	154.0	154.3	153.4	153.4	154.7	158.5	160.7	160.5	160.3	155.5
	1976		160.0	160.0	160.6	163.4	164.5	165.8	167.8	169.2	169.3	170.1	170.9	177.3	166.6
	1977		179.4	182.2	185.2	186.4	186.9	185.5	188.3	188.1	187.9	189.3	189.9	189.9	186.8
	1978		191.2	191.5	191.8	196.8	196.1	197.9	198.7	201.2	203.7	210.1	212.1	212.8	200.3
	1979		218.9	226.9	230.6	240.8	242.3	244.9	244.6	246.5	249.9	260.4	261.2	263.8	244.2
	1980		266.0	275.3	269.1	276.2	273.4	270.4	272.4	273.7	275.0	279.7	279.1	278.1	274.0
	1981		279.1	279.3	284.8	288.6	290.0	290.9	291.1	296.6	295.7	295.7	293.6	294.5	290.0
	1982		295.1	297.2	296.0	296.6	297.9	296.8	297.4						
IRON AND STEEL MILLS - SIDÉRURGIE	1956		76.4	76.7	76.7	77.1	77.3	77.7	77.8	80.2	80.9	82.7	82.7	82.7	79.1
	1957		82.8	83.2	83.3	83.9	84.5	85.0	85.0	85.0	85.0	85.1	85.1	85.0	84.4
	1958		85.0	85.0	85.0	85.1	85.1	85.1	84.9	84.9	84.9	85.2	85.5	85.3	85.1
	1959		85.5	85.3	85.3	85.6	85.6	85.4	85.4	85.6	85.6	85.7	85.8	85.7	85.5
27101	1960	12 2910	86.0	85.9	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
	1961		85.5	85.5	85.5	85.4	85.5	85.4	85.1	85.1	85.1	85.1	85.2	85.2	85.3
	1962		85.2	85.2	85.2	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.0	85.1
	1963		85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.0	84.5	85.0
	1964		84.6	84.7	84.6	84.6	84.7	84.8	84.7	84.7	84.7	84.7	84.7	84.6	84.7
	1965		84.6	84.9	85.2	86.3	87.0	87.1	87.1	87.2	87.1	87.1	87.1	86.9	86.5
	1966		86.7	86.7	86.8	86.7	86.8	86.8	86.9	86.9	86.9	86.8	86.9	86.7	86.8
	1967		87.3	88.0	88.0	88.6	88.5	88.5	88.5	88.5	88.3	88.3	88.3	88.1	87.9
	1968		88.0	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	91.1
	1969		88.4	88.5	89.9	90.3	90.8	90.9	91.0	91.3	91.4	91.7	93.8	94.9	96.1
	1970		95.5	95.5	95.6	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.1	98.3	100.0
	1971		98.4	98.4	98.9	99.4	99.4	99.8	100.5	100.7	100.7	100.9	101.2	101.9	103.2
	1972		102.1	102.0	102.0	102.5	102.9	102.9	102.9	102.9	102.9	104.5	104.8	105.8	110.4
	1973		106.8	106.9	107.4	108.5	109.4	109.4	111.5	111.9	112.3	112.5	113.5	115.2	136.4
	1974		118.4	122.3	126.9	130.4	135.4	138.0	140.0	141.3	143.3	145.6	145.7	148.5	162.0
	1975		152.5	156.8	157.0	159.2	159.2	159.1	159.0	159.6	163.8	170.4	171.8	171.8	177.2
	1976		171.7	171.4	171.6	174.9	175.2	177.6	178.5	180.2	180.6	181.3	181.8	181.8	187.9
	1977		182.3	185.5	184.9	185.3	185.1	184.8	187.1	190.7	191.0	191.9	193.1	193.5	203.9
	1978		193.4	193.9	194.3	200.5	203.0	203.3	204.6	205.4	207.6	213.0	213.7	214.1	231.7
	1979		217.9	219.3	220.7	231.0	231.9	231.9	233.7	236.4	238.3	246.4	248.4	248.5	261.7
	1980		249.9	250.2	251.7	262.2	262.8	263.2	263.1	262.8	264.2	270.0	270.1	270.5	290.3
	1981		273.0	274.7	281.9	288.6	288.8	288.9	288.9	289.5	292.4	303.8	304.0	308.9	
	1982		311.5	311.2	311.2	312.4	312.4	312.4	312.4						

te: Indexes for the most recent six months shown are subject to revision.
 ta: Les indices figurant pour les six mois les plus récents sont sujets à révision.
 footnote(s) at end of table. - Voir note(s) à la fin du tableau.

Selected Industry Selling Price Indexes

Indice des prix de vente dans l'industrie par certains produits

TABLE 1. Industry Selling Price Indexes by Major Groups, Industries and Selected Commodities

TABLEAU 1. Indice des prix de vente dans l'industrie par groupes, industries et par certains produits

1971 = 100

		Month Mois												Annual average
		Jan. - Janv.	Feb. - Fev.	March - Mars	April - Avril	May - Mai	June - Jun	July - Juill.	Aug. - Août	Sept.	Oct.	Nov.	Déc.	Moyenne annuelle
D 527305	12 2910 043	Bars, concrete reinforcing - Barres, pour béton armé												
		1956	80.3	80.3	81.6	81.6	81.6	81.6	86.0	86.6	86.6	86.6	86.6	83.4
		1957	86.6	86.6	86.6	87.0	86.4	89.8	89.4	89.4	89.4	89.4	89.4	88.0
		1958	89.4	89.4	89.4	89.4	89.1	88.6	88.6	88.6	88.6	88.6	88.6	88.9
		1959	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
		1960	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
		1961	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
		1962	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
		1963	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	90.1	89.5
		1964	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
		1965	90.7	91.1	91.1	90.0	90.0	90.0	90.0	90.0	90.2	90.2	88.7	90.2
		1966	88.7	88.7	88.7	88.7	88.7	88.7	89.5	89.5	88.7	88.7	88.7	88.8
		1967	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
		1968	88.9	88.9	88.9	88.9	88.9	88.3	88.3	88.3	88.3	88.9	88.9	88.7
		1969	88.9	88.9	89.5	89.5	89.5	89.5	92.2	92.2	92.2	93.1	93.1	90.7
		1970	93.1	93.1	95.2	96.0	96.0	96.0	96.0	96.0	96.0	96.3	96.3	95.5
		1971	96.3	96.7	100.3	100.4	100.4	100.7	100.5	100.7	100.7	101.6	99.7	101.9
		1972	102.4	101.5	102.2	102.6	106.5	106.4	106.3	106.3	106.4	106.5	106.5	105.0
		1973	106.9	106.2	110.2	111.1	111.8	111.8	111.9	116.4	119.5	120.3	122.2	114.9
		1974	133.0	142.5	159.2	175.9	183.5	187.9	190.5	191.4	191.6	191.5	190.5	177.2
		1975	198.2	196.1	195.2	193.1	191.6	191.1	199.4	199.4	198.9	198.9	198.9	196.0
		1976	198.9	198.9	197.5	197.7	199.3	198.6	198.6	198.6	198.7	198.7	198.7	198.6
		1977	191.2	190.5	185.3	183.6	182.7	175.0	176.0	176.7	176.4	176.4	180.3	181.2
		1978	178.8	180.5	181.9	183.6	187.7	191.4	195.8	195.6	195.6	195.6	195.6	189.8
		1979	200.7	215.0	214.0	222.9	226.0	224.9	224.9	224.9	226.2	231.0	231.0	222.7
		1980	231.0	231.0	231.0	235.9	236.4	241.0	238.9	233.6	236.0	239.3	240.8	236.3
		1981	241.3	244.0	247.1	254.3	255.4	255.4	257.4	257.4	261.9	261.9	261.9	254.5
		1982	277.8	278.4	278.4	278.4	278.4	278.4	278.4	278.4	278.4	278.4	278.4	278.4
D 527570	12 2910 078	Structural steel shapes, unfabricated, beams, wide flanged, heavy carbon steel - Profils de charpente d'acier, non travaillées, poutres, à semelles larges, de grandes dimensions d'acier ordinaire.												
		1971	98.0	98.0	98.3	98.3	98.3	98.3	102.2	102.6	102.6	102.6	102.6	100.0
		1972	102.6	102.5	102.5	102.6	103.1	103.1	103.1	103.1	103.1	108.1	108.1	104.2
		1973	108.1	108.1	108.1	108.1	113.8	113.8	113.8	113.8	113.8	115.2	115.2	112.1
		1974	122.2	122.2	122.2	122.2	122.2	133.6	133.6	133.6	133.8	133.8	133.8	128.0
		1975	133.8	150.2	150.2	150.2	150.2	150.2	150.2	167.2	167.2	167.2	167.2	154.5
		1976	167.2	167.2	167.2	174.7	174.7	174.0	174.0	174.0	174.0	174.0	174.8	172.5
		1977	175.9	175.9	175.9	175.9	175.9	175.9	186.3	186.3	186.3	186.3	186.3	180.2
		1978	186.3	186.3	186.3	186.3	198.9	198.9	198.9	212.7	212.7	214.8	214.8	199.7
		1979	227.3	227.3	227.3	228.9	228.9	228.9	238.6	240.5	240.5	253.1	253.1	235.3
		1980	253.1	253.1	253.1	272.1	272.1	272.1	272.1	272.1	285.9	285.9	285.9	270.8
		1981	285.9	285.9	285.9	306.7	306.7	306.7	306.7	306.7	335.2	335.2	335.2	311.0
		1982	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2
D 527585	12 2910 080	Structural steel shapes, unfabricated, heavy and intermediate - Profils de charpente d'acier, non travaillées, de grandes et moyennes dimensions.												
		1961	x	x	x	x	x	x	x	x	x	x	x	x
		1962	x	x	x	x	x	x	x	x	x	x	x	x
		1963	x	x	x	x	x	x	x	x	x	x	x	x
		1964	x	x	x	x	x	x	x	x	x	x	x	x
		1965	x	x	x	x	x	x	x	x	x	x	x	x
		1966	x	x	x	x	x	x	x	x	x	x	x	x
		1967	x	x	x	x	x	x	x	x	x	x	x	x
		1968	x	x	x	x	x	x	x	x	x	x	x	x
		1969	x	x	x	x	x	x	x	x	x	x	x	x
		1970	x	x	x	x	x	x	x	x	x	x	x	x
		1971	98.1	98.1	98.1	98.1	98.1	99.8	102.4	102.4	102.4	102.4	102.4	100.0
		1972	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	107.1	107.1	107.1	103.6
		1973	107.5	107.5	107.5	107.5	112.4	113.7	113.7	113.7	113.7	118.6	118.6	112.2
		1974	121.6	125.5	138.8	139.0	139.0	144.1	152.6	153.7	153.7	153.7	151.0	143.9
		1975	156.5	163.5	160.0	157.8	156.6	156.6	156.1	156.1	164.6	173.1	173.1	162.3
		1976	173.1	169.0	169.0	172.6	177.9	177.9	179.5	179.5	179.5	179.5	176.3	176.1
		1977	174.6	174.6	174.6	174.6	174.6	174.6	182.0	182.0	182.0	182.0	182.0	177.7
		1978	182.0	184.6	191.8	191.8	191.8	199.5	203.4	203.4	204.7	213.9	213.9	199.6
		1979	229.2	229.2	229.2	233.7	233.7	233.7	233.7	233.7	240.7	252.0	252.0	236.2
		1980	252.0	252.0	252.0	268.9	268.9	268.9	269.8	269.8	276.2	276.2	276.2	266.9
		1981	276.2	276.2	276.2	290.2	290.2	290.2	290.2	290.2	302.9	302.9	302.9	290.9
		1982	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9	302.9
D 527606	12 2910 081	Structural steel shapes, unfabricated, bar size, carbon, light - Profils de charpente d'acier, non travaillées, dimension de la barre, d'acier ordinaire, de petite dimensions.												
		1956	74.5	74.5	74.5	75.6	75.6	75.6	78.9	78.9	79.9	79.9	79.9	77.0
		1957	80.2	80.2	80.2	81.0	81.0	83.9	83.9	83.9	83.9	83.9	83.9	82.3
		1958	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
		1959	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
		1960	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
		1961	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
		1962	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
		1963	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
		1964	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
		1965	83.9	83.9	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.0	85.9
		1966	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	83.1	85.8
		1967	82.9	80.7	80.8	80.8	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.9
		1968	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
		1969	81.2	81.2	86.8	88.6	90.1	89.7	89.7	89.7	89.7	90.5	91.7	88.2
		1970	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0
		1971	97.8	97.8	97.8	97.8	97.8	99.0	101.9	102.0	102.0	102.0	102.0	100.0
		1972	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	110.4	110.4	110.4	104.1
		1973	111.5	111.7	113.5	116.3	118.4	118.4	118.4	118.4	116.8	116.8	120.9	136.6
		1974	138.7	147.5	175.7									

Selected Industry Selling Price Indexes

Indice des prix de vente dans l'industrie par certains produits

TABLE 1. Industry Selling Price Indexes by Major Groups, Industries and Selected Commodities

TABLEAU 1. Indice des prix de vente dans l'industrie par groupes, industries et par certains produits

1971 = 100

[illegible]

Note: Indexes for the most recent six months shown are subject to revision.

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See footnote(s) at end of table. - Voir note(s) à la fin du tableau.

Selected Industry Selling Price Indexes

Indice des prix de vente dans l'industrie par certains produits

TABLE 1. Industry Selling Price Indexes by Major Groups, Industries and Selected Commodities

TABLEAU 1. Indice des prix de vente dans l'industrie par groupes, industries et par certains produits

1971 = 100

		Month Mois												Annual average
		Jan	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Déc.	Moyenne annuelle
		Janv.	Fev.	Mars	Avril	Mai	Juin	Juill.	Août					
D 527756	Sheet and strip, cold reduced, carbon, alloy and silicon - Feuilles et feuilards, laminées à froid, d'acier ordinaire, d'acier allié et d'acier au silicium. 12 2910 706	1971	97.4	97.4	97.4	97.4	97.4	102.6	102.6	102.6	102.6	102.6	102.6	100.0
		1972	102.6	102.6	102.6	102.6	102.6	102.6	102.6	102.6	102.6	102.6	110.5	103.3
		1973	110.4	110.4	110.4	110.4	110.4	110.4	113.8	114.0	114.1	114.1	114.1	112.2
		1974	114.0	122.5	124.0	124.2	124.3	124.4	124.7	125.6	129.4	133.1	133.1	126.4
		1975	137.3	140.1	140.1	140.1	140.1	139.5	139.5	155.5	156.1	156.0	156.0	145.0
		1976	156.0	156.0	156.0	168.1	168.1	168.1	168.1	168.1	168.1	168.1	169.0	165.2
		1977	169.0	179.5	179.5	180.1	180.1	180.1	184.5	190.2	190.2	190.2	190.9	183.8
		1978	191.5	191.5	191.5	203.8	203.8	203.8	204.4	204.8	204.8	212.1	212.1	203.0
		1979	212.1	212.1	212.7	224.1	224.1	224.1	224.1	225.3	237.2	237.2	237.2	224.5
		1980	237.2	237.2	238.2	250.4	250.4	250.4	250.4	250.4	258.2	258.2	258.2	249.1
		1981	258.8	258.8	276.0	277.5	277.5	277.5	277.5	277.5	297.3	297.3	307.8	280.1
		1982	307.8	307.4	307.2	307.2	307.2	307.2	307.2	277.5	277.5	297.3	307.8	
D 527757	Plate, carbon and alloy - Tôles, d'acier ordinaire et d'acier allié. 12 2910 707	1956	78.6	79.6	79.7	80.7	80.7	80.7	80.7	82.3	82.3	82.3	82.3	81.0
		1957	82.3	82.3	82.3	82.3	83.9	84.4	85.5	85.5	85.5	85.5	85.5	84.2
		1958	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
		1959	85.5	85.5	85.5	85.5	85.5	84.7	84.7	84.7	84.7	84.7	84.7	85.0
		1960	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
		1961	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
		1962	84.7	84.7	84.7	84.7	84.7	84.7	84.7	83.0	83.0	83.0	83.0	84.0
		1963	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
		1964	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
		1965	83.0	84.3	84.3	86.1	86.1	86.1	86.8	86.8	86.8	86.8	86.8	85.9
		1966	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
		1967	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
D 527760	Bars, cold rolled and cold drawn, carbon and alloy - Barres, laminées à froid, et étirées à froid, d'acier ordinaire et d'acier allié. 12 2910 708	1968	87.2	87.2	87.2	87.2	87.2	87.2	88.0	88.0	88.0	88.0	88.0	87.6
		1969	88.0	88.0	89.4	89.4	91.5	91.5	92.4	92.4	92.4	93.4	95.5	91.4
		1970	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	98.9	95.8
		1971	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	100.3	104.7	104.7	100.0
		1972	104.7	104.6	104.6	104.6	104.6	104.6	104.6	104.6	109.3	109.3	109.3	105.8
		1973	109.4	109.4	109.4	109.7	113.0	113.0	116.4	116.4	116.4	116.4	116.4	113.5
		1974	124.4	124.4	124.2	124.2	129.6	133.9	133.9	138.4	138.4	138.4	139.3	132.3
		1975	146.9	157.1	160.5	160.5	160.5	160.3	160.3	160.3	178.4	178.4	178.4	165.0
		1976	178.4	178.4	178.4	178.4	178.4	181.7	181.7	196.0	196.0	196.1	196.1	186.0
		1977	196.2	198.9	198.9	198.9	198.9	203.8	203.8	213.8	213.8	213.8	213.8	205.3
		1978	213.8	213.8	213.8	221.8	223.0	223.0	223.0	223.0	232.9	237.2	237.2	225.0
		1979	237.1	237.1	247.5	250.4	250.4	250.4	250.4	264.7	267.8	270.4	270.4	255.6
D 527760	Bars, cold rolled and cold drawn, carbon and alloy - Barres, laminées à froid, et étirées à froid, d'acier ordinaire et d'acier allié. 12 2910 708	1980	270.4	270.4	282.6	285.6	285.6	285.6	285.6	285.6	284.4	296.0	296.0	285.3
		1981	299.4	299.4	303.5	318.5	318.5	318.5	318.5	318.5	328.9	340.6	340.6	321.4
		1982	351.5	351.0	351.0	351.0	351.0	351.0	351.0	351.0	351.0	351.0	351.0	
D 527801	STEEL PIPE AND TUBE MILLS - FABRIQUES DE TUBES ET TUYAUX D'ACIER. 12 2920	1961	x	x	x	x	x	x	x	x	x	x	x	x
		1962	x	x	x	x	x	x	x	x	x	x	x	x
		1963	x	x	x	x	x	x	x	x	x	x	x	x
		1964	98.7	98.4	96.8	96.1	95.3	94.7	95.1	95.9	94.6	93.6	94.2	95.7
		1965	95.2	99.9	99.3	98.0	96.9	97.1	100.9	103.4	101.8	103.1	103.4	100.2
		1966	102.1	101.9	101.4	101.1	101.1	102.8	99.9	101.7	102.7	100.7	101.4	101.5
		1967	99.2	99.6	100.1	98.0	97.5	95.8	95.9	96.2	95.9	95.9	95.7	95.6
		1968	94.7	94.7	95.0	95.0	94.7	93.1	94.0	93.6	92.6	92.1	92.8	93.5
		1969	93.3	93.6	93.2	93.1	92.5	92.6	92.6	93.0	94.2	96.2	96.7	96.6
		1970	96.5	97.6	97.1	98.0	98.0	97.0	96.7	97.3	97.1	96.1	97.6	98.4
		1971	99.0	99.6	99.5	99.5	99.5	99.6	99.5	99.6	99.6	101.3	101.7	101.7
		1972	101.7	101.7	101.7	101.6	101.6	101.5	101.5	101.5	101.5	106.7	106.7	102.9
D 527844	Mechanical tubing, carbon steel, welded - Tubes mécaniques, d'acier ordinaire, avec soudure. 12 2920 003	1973	106.7	108.6	108.6	109.4	109.6	109.9	110.6	113.3	113.6	115.8	115.8	111.5
		1974	126.6	126.9	127.9	128.4	130.4	130.4	130.4	130.4	130.9	140.6	140.7	132.0
		1975	153.3	157.1	157.5	160.6	160.6	160.6	160.1	160.5	161.5	174.3	174.3	162.9
		1976	174.3	174.3	174.3	174.5	176.0	176.0	179.8	180.1	180.7	186.1	186.1	179.1
		1977	186.6	187.4	190.9	191.8	191.8	191.8	203.4	203.9	204.9	205.1	208.0	197.8
		1978	208.5	210.2	210.5	212.4	214.4	215.0	223.0	223.0	223.0	223.6	225.5	218.0
		1979	241.6	241.6	241.7	243.8	243.8	243.8	244.3	245.8	252.3	259.2	259.4	248.1
		1980	259.4	260.3	260.3	278.4	278.5	278.5	278.5	278.5	278.5	290.5	290.9	276.9
		1981	302.8	304.9	304.9	313.9	313.9	318.8	318.8	332.2	332.2	336.2	336.2	322.1
		1982	358.8	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	
D 527844	Mechanical tubing, carbon steel, welded - Tubes mécaniques, d'acier ordinaire, avec soudure. 12 2920 003	1969	93.2	93.2	93.2	93.2	93.2	93.2	93.2	94.3	94.3	94.3	96.0	94.0
		1970	96.9	96.9	96.9	96.9	96.9	96.9	98.2	98.2	98.2	98.7	98.7	97.7
		1971	x	x	x	x	x	x	x	x	x	x	x	x
		1972	x	x	x	x	x	x	x	x	x	x	x	x
		1973	x	x	x	102.5	104.6	104.6	112.1	112.1	112.1	112.1	112.1	x
		1974	120.6	122.3	124.6	124.6	124.6	124.6	124.6	124.6	124.6	127.4	127.4	125.0
		1975	127.4	145.4	148.1	148.1	148.1	148.1	148.1	148.1	148.1	156.1	156.1	148.2
		1976	156.1	156.1	156.1	158.7	165.2	165.2	163.4	163.4	163.4	163.4	163.4	161.6
		1977	163.4	173.2	173.2	177.6	177.6	177.6	177.6	177.6	184.1	189.7	189.7	179.3
		1978	189.7	189.7	190.0	190.0	194.1	194.1	194.1	194.1	194.1	197.4	216.5	196.7
		1979	216.5	216.5	216.5	231.4	231.4	231.4	231.4	231.4	236.8	245.8	245.8	231.7
		1980	245.8	245.8	245.8	260.7	260.7	260.7	260.7	260.7	260.7	264.1	267.9	258.5
		1981	267.9	248.4	248.4	256.2	256.2	256.2	256.2	256.2	256.2	264.2	264.2	258.5
		1982	272.2	272.2	272.2	272.2	272.2	272.2	272.2	272.2	272.2	272.2	272.2	

Note: Indexes for the most recent six months shown are subject to revision.
Nota: Les indices figurant pour les six mois les plus récents sont sujets à révision.
See footnotes(s) at end of table. - Voir notes(s) à la fin du tableau.

Selected Industry Selling Price Indexes

Indice des prix de vente dans l'industrie par certains produits

TABLE 1. Industry Selling Price Indexes by Major Groups, Industries and Selected Commodities

TABLEAU 1. Indice des prix de vente dans l'industrie par groupes, industries et par certains produits

1971 = 100

		Month - Mois												Average - Moyenne annuelle
		Jan - Janv	Feb - Fev	March - Mars	April - Avril	May - Mai	June - Juin	July - Jul	Aug - Août	Sept - Sept	Oct - Oct	Nov - Nov	Dec - Dec	
IRON FOUNDRIES - FONDERIES DE FER														
D 528001	12 2940	1961	75.9	75.5	75.7	75.8	75.8	76.1	76.1	76.3	75.9	75.8	75.6	75.6
		1962	75.5	75.2	75.5	75.7	75.8	76.1	75.8	76.4	75.9	75.8	75.8	76.0
		1963	76.8	76.8	76.6	77.0	77.0	77.1	77.8	77.8	77.9	78.0	77.9	77.9
		1964	77.8	78.2	78.2	78.2	78.2	78.2	78.1	78.1	79.3	79.3	79.3	79.3
		1965	80.5	80.5	80.9	81.0	81.1	81.4	81.8	81.8	81.8	81.8	81.9	81.9
		1966	83.4	83.5	83.6	83.7	83.7	84.3	84.3	84.4	84.4	84.8	84.8	84.8
		1967	86.5	86.7	86.5	86.5	86.5	86.6	88.4	88.3	88.3	88.2	88.4	88.6
		1968	89.0	90.1	90.1	90.3	90.3	90.4	90.4	90.6	90.6	90.7	90.7	90.7
		1969	91.9	92.1	92.2	92.2	92.2	92.3	92.7	92.6	92.6	93.1	93.4	93.5
		1970	94.0	95.9	96.0	96.9	97.6	97.5	97.4	97.2	97.2	97.4	97.5	97.4
		1971	97.3	98.5	99.6	99.7	99.7	100.2	100.9	100.8	100.8	100.7	100.9	101.0
		1972	101.8	102.8	103.0	102.9	102.8	102.3	102.5	102.9	102.9	103.0	104.4	105.1
		1973	105.6	106.6	106.7	107.5	107.5	108.0	108.8	109.3	109.8	109.8	116.9	117.6
		1974	117.7	123.3	128.9	135.4	138.6	139.3	141.9	148.1	149.8	154.7	158.9	162.3
		1975	163.2	163.4	163.5	163.9	164.5	169.4	169.6	170.8	171.7	174.0	173.4	173.4
		1976	172.4	180.6	179.8	180.5	181.0	181.1	180.8	182.4	182.5	184.1	184.1	184.1
1977	185.2	185.2	185.9	186.7	188.3	188.5	187.9	190.9	191.9	191.9	196.4	196.4		
1978	196.8	197.7	197.7	197.9	198.1	199.0	200.8	200.4	200.7	201.8	201.8	201.8		
1979	209.7	211.8	214.4	219.6	222.7	227.1	227.1	228.6	228.6	229.1	229.1	229.1		
1980	233.8	235.9	238.5	240.1	239.9	240.6	243.1	243.2	250.3	250.4	250.4	250.4		
1981	254.7	258.6	261.4	261.7	262.1	262.1	262.1	263.0	263.2	263.2	263.2	263.2		
1982	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7		
Iron castings, grey, total - Fontes de moulage grise, total														
D 630630	12 2940 700	1971	96.7	98.8	99.4	99.4	99.5	100.5	101.4	101.1	101.2	100.9	100.8	100.6
		1972	100.9	102.9	103.0	102.8	102.6	102.0	102.3	102.2	102.2	102.4	102.5	104.0
		1973	105.8	108.1	108.3	108.3	108.4	108.6	110.0	110.5	110.6	110.7	117.2	118.0
		1974	118.0	121.0	125.9	128.8	131.4	132.2	134.0	136.9	140.6	143.0	150.2	155.6
		1975	157.5	157.8	158.1	158.7	159.9	169.1	168.5	170.8	168.3	172.4	171.1	171.1
		1976	169.1	184.3	182.4	183.8	185.0	184.9	184.5	183.8	185.3	185.4	187.9	189.1
		1977	190.1	190.3	190.5	190.8	193.4	193.7	192.5	196.5	198.7	198.7	204.9	205.9
		1978	206.7	207.3	207.3	207.0	207.5	207.6	211.3	210.6	210.6	210.6	210.6	210.6
		1979	219.3	223.8	225.4	227.0	228.2	228.6	230.2	233.3	233.4	233.4	233.4	233.4
		1980	238.1	239.1	240.8	241.4	241.0	240.7	241.7	241.8	241.8	241.8	241.8	241.8
		1981	257.6	259.1	259.3	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5
1982	262.3	262.3	262.3	262.3	262.3	262.3	262.3	262.3	262.3	262.3	262.3	262.3		
Malleable iron castings (including fittings) - Fontes de moulage malléables (raccords inclus).														
D 630631	12 2940 701	1971	96.6	97.3	99.7	100.3	100.3	100.3	100.3	100.3	100.3	100.3	101.6	102.8
		1972	106.6	106.6	107.0	107.0	107.0	107.0	107.0	109.4	109.4	109.4	109.5	109.5
		1973	109.5	110.2	110.2	112.4	112.4	112.4	113.2	114.6	115.9	115.9	120.5	120.5
		1974	120.5	121.2	121.2	134.9	134.9	134.9	143.6	166.5	166.5	166.5	167.3	167.3
		1975	167.7	168.1	168.1	168.1	168.1	167.4	167.4	178.7	178.7	178.7	178.5	178.5
		1976	178.0	183.5	183.1	183.2	183.0	183.9	184.4	184.8	189.3	189.3	192.8	192.8
		1977	192.1	192.1	192.1	192.5	194.3	194.3	198.4	198.4	198.4	204.4	204.4	196.3
		1978	204.4	207.7	207.8	207.8	207.8	208.2	208.2	208.2	210.2	210.2	210.2	210.2
		1979	213.9	213.9	214.4	214.4	214.4	214.4	214.4	215.0	219.0	219.0	219.0	215.5
		1980	219.0	219.0	219.0	226.1	226.1	226.1	226.6	228.6	229.3	231.9	237.0	226.2
		1981	237.0	237.2	237.4	237.4	237.4	237.4	237.4	242.3	243.4	243.4	243.4	252.5
1982	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5		
Cast iron soil pipe and fittings, all sizes - Tuyaux et raccords de renvoi en fonte, toutes dimensions.														
D 630632	12 2940 702	1971	95.9	95.9	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8
		1972	100.8	100.8	102.3	102.3	102.3	99.9	99.9	99.9	99.9	99.9	99.9	100.7
		1973	95.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3	95.5	95.5	98.4	102.1
		1974	103.6	107.8	115.2	124.9	134.0	134.0	142.1	142.1	142.1	150.3	150.3	150.3
		1975	150.3	155.3	155.3	156.9	156.9	157.3	157.3	158.8	158.8	162.9	164.4	164.4
		1976	164.4	164.4	166.3	167.0	167.0	167.0	167.0	167.2	167.2	167.2	167.2	167.2
		1977	167.2	161.1	161.7	168.5	169.5	169.5	169.5	173.5	173.5	173.5	173.5	173.5
		1978	175.4	175.4	175.4	179.8	179.8	179.8	179.8	179.8	179.8	185.3	185.3	188.8
		1979	188.8	188.8	199.1	220.8	221.3	231.5	222.4	222.4	220.6	220.6	227.2	235.1
		1980	247.4	254.4	276.9	276.9	276.9	301.6	301.6	301.6	301.6	300.9	300.9	300.9
		1981	300.9	311.3	308.9	308.9	313.8	313.8	313.8	313.8	313.8	313.8	313.8	313.8
1982	313.8	313.8	313.8	313.8	313.8	313.8	313.8	313.8	313.8	313.8	313.8	313.8		
SMELTING AND REFINING - FONTE ET AFFINAGE														
D 528301	12 2950	1956	73.8	73.4	74.4	75.0	74.3	73.9	71.3	72.5	72.4	70.9	70.9	72.6
		1957	72.7	71.7	70.6	70.9	69.4	68.3	67.0	66.5	66.5	66.5	66.3	65.9
		1958	66.5	65.7	65.5	63.3	63.1	62.9	62.6	62.9	63.8	64.9	65.9	65.2
		1959	65.3	66.0	66.4	65.6	66.4	66.2	65.6	66.0	66.0	66.3	67.0	67.0
		1960	67.9	67.7	67.8	68.5	69.1	69.2	68.8	68.2	68.1	67.8	67.7	67.3
		1961	67.5	66.7	66.8	66.9	67.7	68.5	71.9	71.8	71.8	71.7	72.3	69.6
		1962	72.3	72.0	71.9	72.1	74.3	73.6	73.5	73.5	73.6	73.6	73.7	73.2
		1963	73.3	73.4	73.4	73.4	73.6	73.6	73.9	74.0	74.0	74.4	74.6	74.8
		1964	75.5	75.5	76.1	77.0	77.1	77.1	77.3	77.3	78.7	78.7	79.1	79.8
		1965	79.6	80.0	80.1	79.8	81.9	81.9	82.0	81.7	81.7	81.4	82.8	82.9
		1966	85.5	85.6	85.5	85.3	85.3	85.3	85.3	85.3	85.3	85.2	87.6	87.6
		1967	87.6	89.3	89.5	89.5	89.5	89.6	89.5	89.4	91.9	91.8	91.9	94.7
		1968	94.6	97.4	98.4	94.0	91.9	93.3	90.7	90.4	91.3	90.6	90.8	92.2
		1969	96.5	97.2	97.7	99.0	99.5	101.4	100.9	104.1	104.4	104.2	105.4	113.1
		1970	112.8	113.5	115.5	115.4	112.8	109.2	106.4	104.2	103.5	103.2	102.5	100.7
		1971	100.3	98.4	99.9	101.4	100.8	100.4	101.9	100.7	99.9	99.0	98.5	100.6
		1972	100.1	100.9	101.9	101.7	101.3	99.7	101.1	100.6	103.6	103.4	103.4	110.0
		1973	107.9	111.6	118.6	122.1	130.0	130.0	135.3	134.9	135.1	139.6	141.1	128.9
		1974	148.0	157.2	166.8	171.8	170.9	165.1	160.8	163.3	160.2	159.9	161.4	161.2
		1975	164.0	166.4	165.8	164.1	166.2	163.1	163.9	166.6	165.4	164.1	162.2	160.6
		1976	159.4	157.9	159.6	162.0	163.4	163.3	165.7	165.8	164.1	164.1	168.0	167.1
1977	190.7	194.4	203.0	204.4	205.0	200.6	203.5	198.7	198.9	203.7	203.3	201.8		
1978	206.6	208.0	210.4	216.0	208.5	213.3	213.5	224.6	227.4	240.0	239.5	240.2		
1979	248.6	270.4	272.2	280.5	290.8	301.1	299.4	301.9	317.8	350.6	346.1	367.7		
1980	435.7	437.4	391.4	378.2	371.9	380.2	385.9	380.6	404.1	411.4	397.9	389.0		
1981	383.9	367.1	371.5	368.9	372.5	370.4	359.1	369.5	372.4	359.3	346.1	344.5		
1982	337.2	343.8	328.9	337.3	345.8	332.5	340.0							

Selected Industry Selling Price Indexes

Indice des prix de vente dans l'industrie par certains produits

TABLE 1. Industry Selling Price Indexes by Major Groups, Industries and Selected Commodities

TABLEAU 1. Indice des prix de vente dans l'industrie par groupes, industries et par certains produits

1971 = 100

		Month - Mois												Annual average	
		Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Moyenne annuelle	
		Janv	Fev	Mars	Avril	Ma	Juin	Juill	Août	Sept	Oct	Nov	Dec		
D 528901	12 2970	1968	94.7	94.7	94.7	94.7	94.6	95.4	95.4	94.6	94.6	94.6	94.6	94.6	
		1969	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.1	97.7	97.8	97.8	
		1970	99.7	99.8	99.8	99.8	99.8	99.7	99.5	99.5	99.5	99.4	99.4	99.8	
		1971	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	
		1972	99.9	99.9	100.0	100.0	100.1	100.1	100.0	99.9	100.1	100.0	99.9	100.0	
		1973	97.3	97.2	97.3	97.2	98.6	98.5	99.4	99.5	102.3	102.2	107.2	109.3	
		1974	114.2	115.7	115.8	124.4	124.6	125.7	127.5	128.8	140.7	143.8	144.0	143.9	
		1975	144.6	144.6	144.4	143.6	143.6	144.1	143.7	145.1	147.0	148.3	148.3	147.8	
		1976	147.7	147.9	147.9	149.1	149.1	155.6	157.2	157.2	158.8	165.9	166.3	166.4	
		1977	166.3	166.4	166.4	166.4	166.3	166.4	176.1	179.1	179.0	182.9	184.1	184.0	
		1978	184.9	186.0	186.3	188.2	189.2	192.2	193.1	193.9	194.0	192.4	195.9	201.7	
		1979	211.4	214.0	224.0	230.2	230.5	234.9	235.1	238.4	246.0	246.8	247.0	249.9	
		1980	250.1	258.5	258.7	270.7	271.2	275.1	275.4	275.4	276.0	276.0	282.2	282.2	
		1981	283.5	286.7	287.1	287.5	291.2	296.1	296.1	296.6	297.1	297.1	296.4	296.4	
		1982	295.9	295.9	295.9	295.9	295.9	295.9	295.9	295.9	295.9	295.9	295.9	295.9	
D 528901	12 2970	COPPER AND COPPER ALLOY ROLLING, CASTING AND EXTRUDING - LAMINAGE, MOULAGE ET EXTRUSION DU CUIVRE ET DE SES ALLIAGES.	1961	58.5	57.4	57.4	57.4	58.2	60.2	60.2	60.3	60.3	60.4	60.4	60.4
		1962	58.2	58.2	58.7	58.7	60.1	60.8	60.8	60.8	60.8	60.8	60.8	60.8	
		1963	60.7	60.7	60.7	60.7	60.8	61.1	61.1	61.1	61.2	61.2	61.2	61.2	
		1964	61.4	61.5	61.6	63.8	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	
		1965	68.1	68.1	68.5	68.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	
		1966	83.2	83.2	83.3	83.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	
		1967	84.6	87.9	87.7	87.6	87.4	87.4	87.4	87.4	87.6	87.6	88.8	88.8	
		1968	92.7	92.9	92.9	92.9	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	
		1969	90.9	91.1	91.1	91.5	91.0	94.3	94.9	98.9	104.9	106.0	106.0	106.0	
		1970	105.6	105.6	108.3	108.6	108.5	108.4	108.1	107.9	107.7	107.7	107.7	107.7	
		1971	101.1	97.4	97.5	100.4	100.4	100.8	101.2	101.2	101.2	101.2	101.2	101.2	
		1972	97.0	97.2	100.6	100.6	99.0	98.8	97.0	96.9	96.9	96.9	96.9	96.9	
		1973	100.6	104.8	111.1	114.1	114.4	118.5	121.7	128.5	134.1	139.9	139.9	144.7	
		1974	147.6	148.3	153.3	157.2	161.2	164.3	164.7	164.7	164.7	164.7	164.7	164.7	
		1975	136.5	130.3	130.3	130.4	130.4	130.3	130.4	130.3	130.4	130.3	130.4	130.4	
D 528919	12 2970 008	Copper, unalloyed, pipe and tubing - Cuivre non allié, tuyaux et tubes.	1961	x	x	x	x	x	x	x	x	x	x	x	
		1962	x	x	x	x	x	x	x	x	x	x	x	x	
		1963	x	x	x	x	x	x	x	x	x	x	x	x	
		1964	x	x	x	x	x	x	x	x	x	x	x	x	
		1965	x	x	x	x	x	x	x	x	x	x	x	x	
		1966	x	x	x	x	x	x	x	x	x	x	x	x	
		1967	x	x	x	x	x	x	x	x	x	x	x	x	
		1968	92.4	92.4	92.4	92.4	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	
		1969	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	
		1970	105.7	105.7	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	
		1971	101.6	98.1	98.1	100.7	100.7	101.0	101.0	101.0	101.0	101.0	101.0	101.0	
		1972	96.7	96.7	100.8	100.8	96.4	94.4	94.3	94.3	94.3	94.3	94.3	94.3	
		1973	99.7	104.8	112.2	114.8	114.8	125.6	131.1	130.7	143.3	143.3	143.3	143.3	
		1974	155.1	155.1	161.6	165.3	171.2	171.2	171.2	171.2	159.5	156.7	154.1	147.9	
		1975	130.7	118.8	118.8	118.8	118.8	118.8	118.8	118.8	118.8	118.8	118.8	118.8	
D 528936	12 2970 009	Copper, unalloyed, plates, sheets, strip and flat products - Cuivre non allié, tôles, feuilles, feuillards et produits plats.	1961	x	x	x	x	x	x	x	x	x	x	x	
		1962	x	x	x	x	x	x	x	x	x	x	x	x	
		1963	x	x	x	x	x	x	x	x	x	x	x	x	
		1964	x	x	x	x	x	x	x	x	x	x	x	x	
		1965	x	x	x	x	x	x	x	x	x	x	x	x	
		1966	x	x	x	x	x	x	x	x	x	x	x	x	
		1967	82.6	86.0	86.0	86.0	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	
		1968	90.9	90.9	90.9	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	
		1969	91.2	91.2	91.2	91.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	
		1970	104.8	104.8	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	
		1971	101.0	97.6	97.6	100.2	100.2	100.8	101.0	101.0	101.0	101.0	101.0	101.0	
		1972	97.4	97.4	100.4	100.4	100.4	100.4	100.4	97.9	97.9	97.9	97.9	97.9	
		1973	102.7	106.3	112.3	113.4	113.4	115.9	115.9	115.9	115.9	115.9	115.9	115.9	
		1974	141.4	141.9	146.0	148.8	153.0	155.3	155.3	155.3	155.3	155.3	155.3	155.3	
		1975	130.2	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	
D 528994	12 2970 015	Copper, alloyed, pipe and tubing - Tubes et tuyaux en alliages de cuivre.	1961	x	x	x	x	x	x	x	x	x	x	x	
		1962	x	x	x	x	x	x	x	x	x	x	x	x	
		1963	x	x	x	x	x	x	x	x	x	x	x	x	
		1964	x	x	x	x	x	x	x	x	x	x	x	x	
		1965	x	x	x	x	x	x	x	x	x	x	x	x	
		1966	x	x	x	x	x	x	x	x	x	x	x	x	
		1967	82.6	86.0	86.0	86.0	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	
		1968	90.9	90.9	90.9	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	
		1969	91.2	91.2	91.2	91.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	
		1970	104.8	104.8	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	
		1971	101.0	97.6	97.6	100.2	100.2	100.8	101.0	101.0	101.0	101.0	101.0	101.0	
		1972	97.4	97.4	100.4	100.4	100.4	100.4	100.4	97.9	97.9	97.9	97.9	97.9	
		1973	102.7	106.3	112.3	113.4	113.4	115.9	115.9	115.9	115.9	115.9	115.9	115.9	
		1974	141.4	141.9	146.0	148.8	153.0	155.3	155.3	155.3	155.3	155.3	155.3	155.3	
		1975	130.2	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	

Selected Industry Selling Price Indexes

Indice des prix de vente dans l'industrie par certains produits

TABLE 1. Industry Selling Price Indexes by Major Groups, Industries and Selected Commodities

TABLEAU 1. Indice des prix de vente dans l'industrie par groupes, industries et par certains produits

1971 = 100

Selected Industry Selling Price Indexes
Indice des prix de vente dans l'industrie par certains produits

TABLE 1. Industry Selling Price Indexes by Major Groups, Industries and Selected Commodities
TABLEAU 1. Indice des prix de vente dans l'industrie par groupes, industries et par certains produits

1971 = 100

	Month - Mois												Annual average Moyenne annuelle
	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	
	Janv	Fev	Mars	Avril	Mai	Jun	Jul	Août	Sept	Oct	Nov	Déc	
	1961	63.2	63.0	63.0	64.0	65.1	66.2	71.4	73.7	73.0	71.0	71.0	68.4
	1962	73.2	71.6	71.0	71.3	71.2	71.1	70.8	70.4	68.4	68.4	68.4	70.4
	1963	69.0	68.6	68.6	68.6	70.7	72.0	72.5	72.5	72.5	72.5	72.5	71.0
	1964	80.1	80.5	85.2	85.0	88.5	86.0	91.7	96.1	103.2	102.4	100.1	88.1
	1965	98.9	98.0	99.8	105.0	109.1	111.5	107.7	110.1	111.6	109.4	104.0	100.1
	1966	106.0	106.5	105.5	105.3	102.9	100.0	98.7	98.4	96.1	95.8	95.8	100.0
	1967	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.2	95.2	95.2	95.2	95.2
	1968	96.2	96.2	95.6	95.6	95.6	94.4	94.4	93.8	93.8	95.0	94.0	95.0
	1969	101.0	101.6	100.4	99.3	100.1	100.5	102.9	104.4	104.7	105.7	105.5	101.1
	1970	118.1	116.6	116.6	120.5	129.0	117.5	115.5	112.2	110.5	107.0	106.0	114.0
	1971	102.0	100.4	100.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
	1972	99.7	103.5	105.2	105.7	109.4	106.0	106.2	105.8	105.8	105.8	105.7	105.4
	1973	105.5	108.2	119.2	119.5	119.6	121.0	123.6	129.4	129.5	131.0	131.0	127.1
	1974	157.7	180.0	210.4	215.3	220.5	225.7	224.9	222.0	222.0	215.0	199.0	208.3
	1975	198.1	198.6	198.7	200.0	198.0	191.1	190.0	189.1	189.0	189.0	189.0	192.8
	1976	179.4	178.6	178.3	178.6	194.1	200.6	204.1	218.2	203.4	203.4	202.5	195.3
	1977	222.5	257.5	276.6	263.7	255.6	268.5	268.8	291.0	292.0	271.0	271.0	284.1
	1978	311.2	330.0	330.1	312.7	310.0	310.4	310.2	342.1	375.2	410.4	410.4	354.4
	1979	409.6	415.9	427.4	422.6	424.4	424.4	442.9	444.9	470.0	470.0	470.0	437.3
	1980	480.6	479.8	505.8	492.5	491.0	488.6	483.8	470.1	480.0	490.1	470.1	482.6
	1981	437.6	418.4	418.4	418.4	409.6	409.2	409.8	442.1	445.7	446.1	446.1	429.7
	1982	457.9	460.6	460.6	440.5	420.7	420.3	427.3					
Metal fabricating industries (excl. machinery and transportation equip.) - Fabrication de produits en métal (sauf machines et équipement de transport).	1961	x	x	x	x	x	x	x	x	x	x	x	x
D 529400 13	1962	x	x	x	x	x	x	x	x	x	x	x	x
	1963	x	x	x	x	x	x	x	x	x	x	x	x
	1964	x	x	x	x	x	x	x	x	x	x	x	x
	1965	x	x	x	x	x	x	x	x	x	x	x	x
	1966	x	x	x	x	x	x	x	x	x	x	x	x
	1967	x	x	x	x	x	x	x	x	x	x	x	x
	1968	x	x	x	x	x	x	x	x	x	x	x	x
	1969	x	x	x	x	x	x	x	x	x	x	x	x
	1970	x	x	x	x	x	x	x	x	x	x	x	x
	1971	98.1	98.5	98.7	99.5	99.5	99.7	99.9	100.7	101.1	101.4	101.5	101.4
	1972	103.1	103.5	103.7	104.3	104.5	104.6	104.8	104.9	104.9	105.5	106.2	104.7
	1973	107.9	108.2	108.5	109.9	110.5	111.1	114.1	114.6	115.5	117.2	117.6	118.9
	1974	124.8	125.8	127.7	132.3	133.2	135.1	137.5	138.3	139.3	141.3	142.3	143.1
	1975	145.9	148.3	148.8	150.2	150.6	151.3	151.4	151.8	155.0	157.1	158.3	158.6
	1976	159.2	159.7	160.2	161.0	162.1	162.4	162.7	163.0	164.1	164.4	164.5	164.6
	1977	165.7	167.1	167.8	169.4	172.1	172.4	173.3	173.6	174.9	175.9	176.6	177.1
	1978	179.0	179.7	180.7	184.3	185.5	186.2	190.6	191.3	192.3	195.1	196.6	197.3
	1979	201.5	204.1	205.1	207.8	208.6	211.0	211.9	213.4	215.0	218.1	220.0	221.1
	1980	223.3	225.6	226.8	230.0	231.6	232.5	233.3	234.7	235.7	237.9	239.6	241.0
	1981	245.7	247.2	249.0	252.4	254.2	255.0	256.9	256.7	257.5	264.3	265.9	267.2
	1982	271.7	273.1	273.3	276.7	277.5	278.0	278.4					
BOILER AND PLATE WORKS - INDUSTRIE DES CHAUDIERES ET DES PLAQUES.	1971	99.0	99.2	99.3	100.1	100.1	100.1	100.1	100.1	100.1	100.7	100.7	100.1
D 529401 13 3010	1972	104.8	104.8	104.8	105.0	105.0	105.0	105.1	105.4	105.4	105.4	105.4	105.4
	1973	115.9	115.9	116.0	117.2	117.2	117.2	117.2	117.2	117.2	117.2	118.0	118.0
	1974	149.4	149.9	149.9	150.5	151.8	152.3	152.7	152.8	154.6	154.6	154.6	154.6
	1975	157.6	157.6	157.6	157.7	157.7	157.8	156.9	157.0	157.1	157.1	157.1	157.1
	1976	160.1	160.6	161.5	161.8	161.8	161.8	161.1	161.1	161.1	162.4	162.4	161.1
	1977	163.8	164.6	164.8	164.7	202.3	202.3	202.3	202.3	202.3	206.0	206.0	206.0
	1978	206.4	206.8	207.1	208.5	208.5	208.8	201.0	202.9	203.0	206.5	206.9	207.0
	1979	269.7	270.2	271.2	271.7	271.7	270.6	270.6	270.6	270.6	270.6	270.6	270.6
	1980	282.9	282.9	283.2	283.6	284.8	280.1	287.1	287.1	288.4	290.0	302.1	289.4
	1981	305.3	306.8	307.0	307.0	307.0	312.1	312.9	310.0	310.0	310.0	310.0	310.0
	1982	362.1	363.2	363.0	363.0	363.2	364.9	364.9					
Tanks, storage and processing, bulk (incl. above ground, underground and inside storage tanks) - Réservoirs d'emmagasinement et cuves de traitement, en vrac (de surface, souterrain et intérieurs).	1971	x	x	x	x	x	x	x	x	x	x	x	x
D 529506 13 3010 024	1972	x	x	x	x	x	x	x	x	x	x	x	x
	1973	101.5	101.5	101.5	105.6	105.6	105.6	105.8	105.8	105.8	105.8	105.8	105.8
	1974	113.9	115.9	115.9	119.7	120.2	121.2	121.1	121.1	121.1	121.1	121.1	121.1
	1975	143.5	143.5	143.5	143.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8
	1976	142.0	142.0	148.1	146.5	146.5	146.5	148.5	148.5	148.5	149.8	149.8	149.8
	1977	149.8	156.6	156.6	156.6	158.7	158.7	158.7	158.7	158.7	160.5	160.5	160.5
	1978	160.5	160.5	160.5	160.5	161.1	160.9	160.9	160.9	160.9	160.9	160.9	160.9
	1979	188.8	188.8	190.2	194.6	194.6	194.6	195.1	198.0	195.2	195.2	195.2	195.2
	1980	196.2	196.2	198.3	199.2	199.8	201.1	210.7	210.7	210.7	210.7	210.7	210.7
	1981	210.3	219.3	221.0	221.0	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1
	1982	258.4	258.4	258.8	259.8	259.8	264.0	264.0					
METAL STAMPING AND PRESSING INDUSTRY - INDUSTRIE DE L'EMBOUITAGE ET DU MATRACAGE DES METAUX.	1971	97.5	97.8	97.9	100.4	100.7	100.8	100.8	100.7	101.0	101.1	101.1	100.0
D 530301 13 3042	1972	101.9	102.6	102.6	104.4	104.4	104.2	104.2	104.2	104.3	104.3	104.3	103.9
	1973	106.0	106.3	106.6	108.1	108.1	109.1	111.1	111.1	113.2	113.9	114.0	110.3
	1974	115.2	115.6	116.7	122.5	123.1	123.9	124.6	124.6	125.5	127.8	130.0	124.4
	1975	136.7	138.7	138.7	142.1	143.0	143.1	144.0	144.0	151.1	152.8	154.5	145.1
	1976	154.6	154.6	155.4	158.0	160.0	160.9	161.0	161.0	161.4	161.4	161.4	159.4
	1977	162.0	165.8	167.2	170.8	170.9	171.4	171.0	171.0	174.6	176.3	176.3	174.4
	1978	180.0	180.4	181.1	187.8	188.4	188.9	188.9	188.9	191.0	195.4	195.1	188.5
	1979	199.7	203.4	203.9	208.1	208.0	209.5	209.8	210.0	215.4	216.0	216.0	209.5
	1980	219.5	221.4	221.9	228.6	229.2	231.0	231.0	231.7	234.0	235.5	235.5	229.5
	1981	240.5	241.3	242.4	250.4	250.0	251.8	250.0	250.0	264.6	267.8	267.8	250.6
	1982	270.9	271.3	271.2	277.5	277.8	278.3	278.3					
Culvert pipe - Tuyaux de ponceau	1961	x	x	x	x	x	x	x	x	x	x	x	x
D 530464 13 3042 036	1962	x	x	x	x	x	x	x	x	x	x	x	x
	1963	x	x	x	x	x	x	x	x	x	x	x	x
	1964	x	x	x	x	x	x	x	x	x	x	x	x
	1965	x	x	x	x	x	x	x	x	x	x	x	x

Note: Indexes for the most recent six months shown are subject to revision.
Nota: Les indices figurant pour les six mois les plus récents sont sujets à révision.
See footnote(s) at end of table. Voir note(s) à la fin du tableau.

Appendix 3: Selected Weights for Industry Selling Price Indexes (1)

CANSIM D-code Monthly	1971 Industry Selling Price Index Identification Number	Major group, industry or commodity	Per cent of Industry	Per cent of total Industry Selling Price Index
D527100	12	Primary metal industries		7.970
D527101	12 2910	IRON AND STEEL MILLS	100.00	3.054
D527233	12 2910 036	Blooms, billets, slabs and other semi-finished shapes (excluding continuous cast) carbon steel for re-rolling	3.04	.093
D527305	12 2910 043	Bars, concrete reinforcing	5.90	.180
D527430	12 2910 053	Wire, rods, hot rolled or cold finished, No. 5 gauge	1.00	.031
D527438	12 2910 054	Wire rods, hot rolled or cold finished, other		
D527570	12 2910 078	Structural steel shapes, unfabricated, beams, wide, flanged, heavy carbon steel	5.04	.154
D527585	12 2910 080	Structural steel shapes, unfabricated, heavy intermediate		
D527606	12 2910 081	Structural steel shapes, unfabricated, bar size, carbon, light	1.31	.040
D527630	12 2910 085	Rails	2.34	.071
D527638	12 2910 125	Coke	.62	.019
D527754	12 2910 704	Bars, hot rolled, other (excluding stainless)	8.89	.272
D527755	12 2910 705	Sheet and strip, hot rolled, carbon	10.73	.328

See footnote(s) at end of table.

CANSIM D-code Monthly	1971 Industry Selling Price Index Identification Number	Major group, industry or commodity	Per cent of Industry	Per cent of total Industry Selling Price Index
D527757	12 2910 707	Rates, carbon and alloy (including "skelp")	10.44	.319
D527760	12 2910 708	Bars, cold rolled and cold drawn, carbon and alloy	1.60	.049
D N/A	12 2910 N/A	Cold rolled strip	2.21	.068
D N/A	12 2910 N/A	Other cold rolled and coated products	25.46	.776
		All other commodities	21.42	.654
D527801	12 2920	STEEL PIPE AND TUBE MILLS	100.00	.523
D528001	12 2940	IRON FOUNDRIES	100.00	.433
D528017	12 2940 002	Iron castings, grey iron, municipal (man-hole covers)		
D528036	12 2940 003	Iron castings, grey iron, ingot moulds and stools	25.43	.110
D528045	12 2940 004	Iron castings, grey iron, n.e.s.		
D528066	12 2940 005	Iron castings, malleable iron	6.87	.030
D528126	12 2940 018	Cast iron, soil pipe; under 6 inches, inside diameter	1.94	.008
D528138	12 2940 019	Cast iron soil pipe, 6 inches inside diameter and over	.64	.003
D528144	12 2940 020	Cast iron soil pipe fittings, all sizes	1.77	.008

See footnote(s) at end of table.

CANSIM D-code Monthly	1971 Industry Selling Price Index Identification Number	Major group, industry or commodity	Per cent of Industry	Per cent of total Industry Selling Price Index
D528156	12 2940 021	Cast iron water pipe	13.90	.060
D528172	12 2940 022	Cast iron water pipe fittings, all sizes		
D528195	12 2940 024	Malleable iron pipe fittings, all sizes	2.95	.013
		All other commodities	46.50	.201
D528301	12 2950	SMELTING AND REFINING	100.00	2.707
D528363	12 2950 004	Copper refined, total	35.18	.952
D528390	12 2950 005	Zinc refined, total	10.62	.287
D528439	12 2950 007	Precious metals	11.60	.314
D528506	12 2950 008	Antimony	.04	.001
D528512	12 2950 009	Cadmium	.54	.015
D528522	12 2950 010	Cobalt	.70	.019
D528538	12 2950 011	Magnesium	.35	.010
D528569	12 2950 014	Bismuth	.10	.003
D528575	12 2950 015	Titanium dioxide	2.67	.072
D528594	12 2950 017	Iron remelt	2.02	.055
		All other commodities	36.18	.979

See footnote(s) at end of table.

CANSIM D-code Monthly	1971 Industry Selling Price Index Identification Number	Major group, industry or commodity	Per cent of Industry	Per cent of total Industry Selling Price Index
D528701	12 2960	ALUMINUM ROLLING, CASTING AND EXTRUDING	100.00	.464
D528715	12 2960 004	Aluminum extruding shapes	18.46	.086
D528807	12 2960 016	Aluminum base other products (castings, except aluminum die)	3.91	.018
		All other commodities	77.63	.360
D528901	12 2970	COPPER AND COPPER ALLOY ROLLING, CASTING AND EXTRUDING	100.00	.493
D528919	12 2970 008	Copper, unalloyed, pipe and tubing	22.15	.109
D528936	12 2970 009	Copper, unalloyed, plates, sheets, strip and flat products	9.94	.049
D528966	12 2970 013	Copper, alloyed, castings (excluding pipe fittings)	3.95	.019
D528994	12 2970 015	Copper, alloyed, pipe and tubing	3.17	.016
D529009	12 2970 016	Copper, alloyed, plates, sheets, strip and flat products	13.46	.066
		All other commodities	47.33	.234
D529101	12 2980	METAL ROLLING, CASTING AND EXTRUDING, N.E.S.	100.00	.296
D529102	12 2980 001	Secondary non-ferrous metals, aluminum	9.91	.029
D529116	12 2980 002	Secondary non-ferrous metals, lead, unalloyed	1.74	.005

See footnote(s) at end of table.

CANSIM D-code Monthly	1971 Industry Selling Price Index Identification Number	Major group, industry or commodity	Per cent of Industry	Per cent of total Industry Selling Price Index
D529121	12 2980 007	Alloys, non-ferrous, copper, base alloys	8.60	.025
D529135	12 2980 010	Alloys, non-ferrous, lead, antimonial, secondary	5.51	.016
D529152	12 2980 011	Alloys, non-ferrous, solders	6.17	.018
D529174	12 2980 012	Alloys, non-ferrous - type and type metal	1.04	.003
D529186	12 2980 014	Casting, die aluminum, base alloy	8.57	.025
D529200	12 2980 015	Casting, die, zinc, base alloy	13.73	.041
		All other commodities	44.73	.134

(1) Excerpt from Industry Selling Price Indexes: Manufacturing (1971=100), 1956 - 1976, Statistics Canada, Ottawa (Catalogue 62-543).

Appendix 4: Worksheet

1. Define the Escalation Model

- A. List the Objectives: 1.
2.
3.

2. Select the Appropriate Index

2.1 Review Company Costs and Profit

Estimated Contract Costs and Profit

Major Components	Percentage of Total Cost	Main Sub-components	Percentage of Sub-total Cost
Direct costs			
Materials			<u>100</u>
Equipment			<u>100</u>
Labour			
Shop			<u>100</u>
Field			<u>100</u>
Other costs			
Foreign exchange			
Cost of money			
Design costs			
Field supervision			<u>100</u>
All other expense			
Profit			
TOTAL	<u>100</u>		

2.2 Review Published Indexes

Comparison of Compay Costs and Indexes

Important Sub-components	Annual Costs, Indexes and Percentage Changes				
	1978	1979	1980	1981	1982
	\$/I %	\$/I %	\$/I %	\$/I %	\$/I %
Sub-component A					
Company Data					
Statistics Canada					
Series (a)					
(b)					
Sub-component B					
Company Data					
Statistics Canada					
Series (c)					
(d)					

2.3 Review Characteristics of the Indexes

2.4 Review Index Weighting Patterns

Comparison of Price Indexes and Contract Characteristics

Index	Components	Weights			Identify Markets Included in Price Sample	Foreign Currency Adjustments of Great Importance?	
		Statistics Canada	Contract Weights(1)				
		%	Price Refer- ence Year:	% Price Refer- ence Year:			
					Import, Domestic, or Pur- chaser	Export, Industri- al, or Retail	Yes/No
Index A							
	1.						
	2.						
	3.						
Index B							

Other important factors (not mentioned above).

- 1.
- 2.
- 3.

(1) Weights will probably relate to the current year. To be precise they should be stated in the time reference year of the Statistics Canada series, e.g. 1971 for 1971=100 series.

2.5 Review Short- and Long-Term Price and Labour Cost Movements

Classification of Kinds of Changes in Monthly Series

Components	Behaviour Categories	Behaviour During Periods of Generally Rising Prices	Behaviour During Periods of Generally Declining Prices
		('73 or '74) ('79 or '80)	('75 or '76) ('81 or '82)

Price Indexes

- A
- Steady Increases
 - Mainly Increases with Small Decreases
 - Mainly Increases with Large Decreases
 - Mixed Price Change in Each Year
 - Mainly Declines

B

Labour Cost Indicators

- A
- B

Series Selected

List of Contract Indexes	Recent Changes		Data To Be Smoothed	No. of Days from Data Collection to Release
	Statistics Canada	Company Costs	Yes/No	

Indexes Usually Included in Company Contracts

- 1.
- 2.
- 3.

Proposed New Indexes

- 1.
- 2.

2.6 Additional Points to Consider

- (a) Is either party a major respondent to the above? Yes___ No___
- (b) Has Statistics Canada been asked to notify the company about proposed structural changes to these series Yes___ No___
- (c) Estimated future cash flow requirement captured by these series:

	Estimated Proportion of Future Cash Flow Requirement Captured by Indexes Selected	Estimated Size of Required Contingency for the Remainder
Traditional elements		
Non traditional elements		

3. Write the Contract

- 3.1 Identify the Base Value
- 3.2 Identify the Indexes Selected
- 3.3 Specify the Weights, Formula, and Smoothing or Extrapolation Mechanisms
- 3.4 Define the Mechanism to Adjust the Contract through Time

Periodicity of Application of Contract Mechanisms

Forecasted Length of Contract

Contract Adjusted by Percentage Change Yes___ No___

If no, specify.

3.5 Specify Limits for Escalation Adjustments: Yes ____ No ____ . If yes, specify.

3.6 Provide Mechanisms to Handle Revisions:

Structural

Levels of most recently published data

3.7 Specify Miscellaneous Factors:

Timing of Adjustments

Reference Periods of Indexes

Effective Date of Adjustment

Use of Preliminary or Official Indexes

Numerical example of application of escalation mechanisms.

3.8 Review:

Using this worksheet, check that all the steps have been carried out.

Name, addresses, phone numbers of contacts for information about series cited.

30/9/87

